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# THE MUNSON NURSERIES



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DENISON

TEXAS

1898

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## Horticultural Information.

### A REQUEST.

Often persons to whom our Catalogue has been sent write us for information about what varieties succeed best in this and that locality, and ask us to recommend a special list for their locality, and for various other horticultural information.

This Catalogue is specially arranged to answer all such questions as definitely as is possible for us to do, unless we should establish experiment stations in numerous parts of the country to get the special information. We have done as nearly that as possible, by visiting nearly every part of the entire country, taking notes of the successful and unsuccessful, and gleanings information from every reliable source, collecting and testing in our grounds nearly every promising variety brought out, and finally propagating the best only, and embodying brief, pointed descriptions of them, giving seasons, localities where most successful, etc., so that any diligent student of our Catalogue will find generally the very information we are so often asked to give. But if any one, after careful study of the Catalogue, fails to get the knowledge he wants, we shall be pleased to write it to him, if we have it, or else refer him to works containing the knowledge.

This Catalogue is aimed to contain the very best information and list of varieties for the South and West that is possible to put in the space, so please do not lightly throw it aside. It embodies the best knowledge about varieties that twenty-three years of diligent work in the Southwest has secured.

No cultivator of fruits, trees or flowers can afford to be without some of the books mentioned below.

### A SMALL LIBRARY OF MOST USEFUL HORTICULTURAL BOOKS.

These Books and Journals answer your questions in the best manner. If, however, neither the Catalogue nor the Books mentioned below cover your questions, we will answer them briefly, providing stamps are included for return postage.

So many of our customers write us for horticultural information (which we have ever most gladly given by letter, until the questions have become too numerous for us to longer thus answer) that we have, after careful examination, selected the following list of works, of most approved authorship, and arranged to mail direct to those ordering at publishers' prices, given below. No discounts can be made on books.

Nearly every one of these books is profusely illustrated. The journals named are of the highest standard.

American Fruit Culturist. J. J. Thomas, revised, enlarged . . . . .	\$2 50
American Grape Training. Including Munson's Trellis System. Prof. L. H. Bailey . . . . .	75
Bailey's Field Notes on Apple Culture . . . . .	75
Bailey's Principles of Fruit-Growing. Just published; a superb work. . . . .	1 25
Black's Cultivation of the Peach. Including a chapter on Pears . . . . .	1 50
Bushberg Grape Manual. Most valuable work on American grapes. Newly revised and enlarged . . . . .	1 00
Elliott's Practical Landscape Gardening. The planting of ornamental grounds . . . . .	1 50
Fruits and Fruit Trees of America. Downing. A complete encyclopedia of pomology. . . . .	5 00
Fuller's Small Fruit Culturist. Covering all classes of small fruits . . . . .	1 50
Fungous Diseases of the Grape and other Plants, and Treatment. Scribner . . . . .	75
Hand-book of Tree Planting. Where, how, and what to plant for groves and forests . . . . .	75
Harris' Talks on Manure. Treating the entire subject in a practical way . . . . .	1 75
Henderson's Gardening for Profit . . . . .	2 00
Henderson's Practical Floriculture . . . . .	1 50
Horticulturists' Rule-Book. Rules for the practical gardener. Prof. L. H. Bailey . . . . .	1 00
Husmann's American Grape Growing and Wine Making. Latest revised edition . . . . .	1 50
Irrigation Farming. Lute Wilcox. The best book on the subject; profusely illustrated. . . . .	2 00
Johnson's "How Crops Grow." Exceedingly important to one who would succeed . . . . .	2 00
Oemler's Gardening for the South. Treating of vegetables and fruits . . . . .	1 50
Quinn's Pear Culture for Profit . . . . .	1 00
Strawberry Culturist. Fuller . . . . .	25

**JOURNALS:** American Agriculturist, weekly, \$1; American Gardening, weekly, \$1; Rural New-Yorker, weekly, \$1; Texas Farm and Ranch, weekly, the best of all southern agricultural and horticultural journals, \$1; Southern Florist, monthly, \$1; Horticultural Gleaner (of Texas), monthly, 50 cents; Western Fruit Grower, monthly, 50 cents. Any other horticultural journals desired sent at publishers' rates.

### DO YOU WISH OUR CATALOGUE CONTINUED ?

Those who desire to receive our future Catalogues will please state so on a postal card, giving name and correct address. Without such request we shall discontinue it.



# INTRODUCTORY.

## To Our Numerous, Intelligent, Discriminating Customers:

Having always pursued the principle of giving plain, unvarnished descriptions, true to nature, and furnishing the very best of everything named, making every piece sent out a living advertisement of upright methods, our business has continued to rapidly expand. For all this splendid patronage we are profoundly thankful to our patrons, and are better prepared than ever to as carefully serve the increased patronage that we hope to receive the approaching season.

**The following careful, truthful descriptions** are of far more value in making successful selections than would be the grandest set of pictures that could be executed. Therefore, study the descriptions, and preserve this Catalogue, for it will be found a most valuable horticultural work of reference. Our methods of propagation are those pursued by the largest, most intelligent, and most successful planters of commercial orchards.

**Those varieties throughout the Catalogue**, outside our special list of Grapes, preceded by a star (\*), were introduced by us after careful testing, and we are proud of them. They are generally making excellent records, and some have become recognized standards.

**In some cases**, varieties heretofore included in our Catalogue are omitted. Some of these are dropped, as others included are better of the same season, and of some we have no stock to offer this year; such may be inserted when we again have stock of them. Please do not order varieties not named in this Catalogue.

**While we have a reputation for making a specialty of Grapes**, we have by no means neglected other departments or classes of fruits in our line of business. All have had the same vigilant care in testing, selecting and propagation, so that we will be found up with the times in all things.

**In our experimental department**, we systematically test all new very promising varieties as they come out, and ourselves originate numerous varieties of grapes, plums, persimmons, etc. By carefully combining the best strains, and testing for a series of years in various localities, we from time to time introduce those proving superior to others in cultivation of the same season. We especially call attention to our new Grapes, and to varieties throughout the Catalogue printed in CAPITALS.

**Planters for Market Purposes.** We have long made a specialty of supplying those who plant largely for market, and have given splendid satisfaction, as many large orchards, vineyards, and small fruit plantations in all parts of the country attest. To such parties we will make very low prices, on specified lists made out from the Catalogue, either delivered on cars at Denison or at purchaser's railway depot.

**TELEPHONE CONNECTION, Local and Long-distance.** We are in connection with the Southwestern Telephone and Telegraph Company, whereby our patrons can communicate directly with our office, and thus save time. Telephone orders attended to promptly. 'Phone 49.

**T. V. MUNSON & SON, Denison, Texas.**

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## THOSE WHO INTEND TO ORDER OF US SHOULD NOT FAIL TO READ THE FOLLOWING.

### **TERMS, CONDITIONS, SHIPPING, ETC.**

**Cash** (by Draft, Money Order or Registered Letter) with order will secure prompt filling. No goods shipped unless cash or satisfactory security accompanies the order. If personal checks are sent, include 15 cents for collection, which amount they cost us. Orders held until personal checks are collected. Time, risk and expense saved by remitting by postal or express order, or bank draft. Please use order sheet in Catalogue.

**To secure goods not wanted sent at once**, send one-half the cost with the order. No reserve will be made otherwise. **Goods will be shipped "C. O. D."** only when one-half payment is sent with order.

**Our responsibility ceases** after delivery, according to the prices and specifications named below, under "We Prepay Freight," and "Prices," except for mistakes in filling,

which must be reported immediately after receipt of goods, to admit of adjustment. A double system of checking is employed in putting up orders, so that mistakes are rare, and sometimes customers complain of an error and afterwards find it was their own mistake. Be careful, in unpacking, to note everything, and immediately "heel-in" in moist soil till planted, or plant at once! Never allow the roots to dry, or failure will most likely result.

**Every care is taken to secure safe and prompt transportation. Goods are carefully packed in moss or straw, well baled or boxed.**

**It is always better to ship by Express,** unless the amount of stock is large. Nursery stock goes by express at especially low rates.

**Give explicit directions for shipment.** When such are not given, we shall use our best judgment in selecting a route, but will not be responsible for loss thereby, excepting on goods on which we prepay freight. See "We Prepay Freight." Shipping facilities in every direction from Denison are excellent.

**Customers will generally be most successful in getting desirable assortments by** leaving the selection, in part at least, to us, as we have much experience in testing and growing for market, but we desire everyone to have his or her choice, as nearly as possible.


**It is to our own interest to give customers the best terms and selections possible.** But we cannot prevent Drouths, Severe Winters, Early and Late Frosts, Insects and Rabbits, etc., from cutting, nor plants from dying by bad treatment in other hands, hence we never insure trees to live after leaving our possession, but do deliver good stock in good order, true to name. In case we fail in these, we replace at once or refund money. After stock is accepted, we replace none that may die after planting.

**We are responsible to all of our customers,** and to them only, for the character of the goods, and to them or their forwarders, express and railway companies, we guarantee to deliver stock in good order, true to name. With such delivery our responsibility ceases.

**CAUTION.**—We employ no traveling agents. Those claiming to be our traveling agents are frauds, and should be shunned. We have learned of a number of such operators, and have advertised them for the protection of planters.

**CLUB ORDERS.**—Many responsible persons get up Club Orders in their own communities, and send in to secure club rates. Such trade is respectfully solicited. Club rates will be given on application. This is the nearest approach we make to agency work.

**SUBSTITUTION.**—If it is not explicitly stated in the order that no substitution is permitted in case the variety ordered is sold out, we shall consider permission to substitute granted, and then put in place of the variety ordered another, always with its correct name and one of equal or better value, unless such is not in stock, when the variety will be left unfilled and the money for it returned.

 Please do not order articles not named in Catalogue. We catalogue only what we have for sale, and aim to sell only what we produce.

**SEASON FOR SHIPPING AND TRANSPLANTING.**—We begin digging Strawberry Plants October 15, not earlier, and other stock November 1, and continue almost uninterruptedly to dig and ship until March 15, November, December and February being the best months in which to transplant in the South.

**TREES AND PLANTS BY MAIL.**—Small fruit trees and shrubs, one-year grape vines, strawberry, raspberry and blackberry plants, can be sent by mail in packages of less than four pounds each, at the rate of one cent for every two ounces. To cover this and packing, remit for every tree, shrub or grape vine, 5 cents each when six or less are ordered, 4 cents each when six to twelve are ordered, and 3 cents each when more than twelve are ordered. For berry plants, remit 10 cents per dozen, 20 cents for fifty, and 35 cents per hundred.

**BUDS, CLIONS AND CUTTINGS.**—We do not offer these for sale except where noted in the Catalogue.

**WE PREPAY FREIGHT.**—When customers so desire it, and remit prices securing it, as stated in connection with each class of fruit in Catalogue, we prepay freight or express charges, as we may select, to their nearest railway depot, when within the states of Texas, Louisiana, Arkansas, Indian Territory and Oklahoma Territory, when the orders amount to \$5 or more. On orders of less than \$5, within the above named states, and all orders from other states, we do not prepay freight, unless so ordered, and money is remitted with the order for the purpose, but deliver the goods on board cars in Denison, well packed.

**PRICES.**—In connection with each class or variety of fruits in the Catalogue will be found two sets of prices: One for stock packed and freight prepaid to any railway depot within the above named states; the other for stock packed and delivered on board cars at Denison, or at our nursery. Customers have the choice of either set of prices. Please be careful to state your choice, and remit accordingly. Six go at dozen rates, 50 at 100 rates, 300 at 1,000 rates. When orders amount to \$20 or more, hundred rates will be allowed, regardless of number taken.

**WHOLESALE ORDERS.**—When larger quantities of goods of any class or variety are wanted than are priced in Catalogue, please send list of varieties and number of each desired, for special quotations. We invite comparison of prices and stock with any and all reliable first-class nurseries.

**T. V. MUNSON & SON, Denison, Texas.**



# APPLES.

Plant Apple trees in the South 20 feet apart north and south by 30 feet apart east and west, requiring 73 trees per acre. Best corn or cotton sandy land is suitable.

## PRICES—Except where Noted.

	3 to 4 feet			4 to 6 feet		
	Each	Per 12	Per 100	Each	Per 12	Per 100
Packed f. o. b. cars at Denison, . . .	\$0 10	\$1 00	\$6 00	\$0 15	\$1 50	\$8 00
Packed and prepaid to your depot . .	12	1 25	8 00	18	2 00	12 00

This list has been well tested, and found uniformly and continuously successful in the Southwest. The varieties ripening in June and July are the most successful in South Texas. Late varieties do little or no good there. All the varieties named succeed well in Northern Texas and Indian Territory.

## IN ORDER OF RIPENING.

### June in Texas.

**Duchess of Oldenburg.** Prolific, striped, medium; good, tart; market.

**Early Harvest.** Vigorous, abundant; yellow, large; good; tart; table, cooking.

**RED ASTRACHAN.** Vigorous, productive; red, large; tart, market.

**RED JUNE.** Slow, prolific; red, small; good, tart; market, table.

**FANNY.** New, vigorous, productive; red, large; excellent; market, table.

### July.

**SUMMER QUEEN.** Abundant; striped, large; good, table, market.

**GRAVENSTEIN.** Vigorous, abundant; striped, large; good, table, market.

**AMERICAN SUMMER.** Productive; striped, medium; best, table, market.

**Jefferis.** Prolific; striped, medium; best quality.

### August.

**BLED SOE** (Texan). Very fine, prolific; striped, large; excellent, table, market.

**Yellow Horse.** Very vigorous, abundant; yellow, large; good, culinary.

**JONATHAN.** Good grower, prolific; red, medium; fine, market.

**Maiden Blush.** Vigorous, prolific; cream-blush, large; fine, market, cooking.

**Mrs. Bryan.** New, of Georgian origin. A very large Apple of finest quality. Bright red all over. Excellent tree, prolific; fruit hangs on remarkably well without dropping or rotting, 50 cents each.

**CARTER BLUE.** Very thrifty, abundant; striped, large; fine market, cooking.

**Ortley.** Vigorous, productive; pale yellow, large; excellent, table, market.

**DOYLE.** Of Texan origin. Large, striped; excellent, prolific.

### September.

**WEALTHY.** Vigorous, profuse; striped, large, excellent, market.

**Buckingham** (Equinately). Good, abundant; striped, large; excellent, market.

**Shannon.** Strong, slow bearer; yellow, very large; best, table, cooking.

**RED WINTER.** Good, prolific; red; medium; fine, table, market.

**TWENTY-OUNCE.** Very large, striped.

### October and Later.

**BRADFORD** (Kentucky Streak). Strong, abundant; striped, large; very good, market.

**WINESAP.** Prolific; red, medium; very good, market.

**BEN DAVIS.** Hardy, vigorous, profuse; striped, large; good, market.

**\*Rutledge.** This variety originated in Travis county, Texas. Tree vigorous and productive; fruit large, handsome, richly striped, resembling the Bradford somewhat, and of still finer quality than that splendid variety; it ripens shortly after the Ben Davis. In this, we believe, we have one of the most valuable of all Southern Apples. 50 cents each.

**GANO.** Vigorous, prolific; bright red, large; good market; this variety is similar in every way to the Ben Davis, but of a rich red all over; very valuable.

**TEXAS RED.** One of the most highly esteemed Apples in East Texas. Large, striped; fine; excellent keeper.

**Maverack Sweet.** Vigorous, abundant; red cheek, large; very good, market or home.

**NICKAJACK.** Vigorous, abundant; large, striped; very good, market or home.

**ARKANSAS BLACK.** Vigorous, abundant; dark red, medium; excellent, market.

**KINNAIRD.** Strong, spreading tree, prolific; red, large; a superb Southern winter Apple.

**SHOCKLEY.** Vigorous, abundant; red cheek, medium; best keeper.

**LIMBERTWIG.** Vigorous, prolific; red, medium; very good keeper.

**SHIRLEY** (Texan). Vigorous, prolific; striped, medium; excellent keeper.

**LOY.** Vigorous, prolific; red cheek, large; best keeper.

**MAMMOTH BLACK TWIG.** A splendid, large, dark red Arkansas Apple.

**Yates.** Very vigorous, prolific; striped, small; cider or dessert; keeps very late; best quality.

## CRAB APPLES.

Price, 1-5 more than Apples, in all cases.

**Whitney.** Vigorous, prolific; striped, large; cider, jelly, preserves.

**Hyslop.** Vigorous, prolific; crimson, large, ornamental; preserves.

## PEARS.

Plant 18 feet apart each way, requiring 135 trees per acre. Pears root very deeply, and succeed on almost any soil if kept free from blight. Except Le Conte and Bartlett, the varieties named below are freest from blight.

### PRICES—Except where Noted.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 25	\$2 50	\$17 00
Packed and prepaid to your depot . . . . .	30	3 00	20 00

### IN ORDER OF RIPENING.

**Andre Desportes.** A handsome, good-sized, very early Pear.

**\*Lexington.** Tree very healthy, but of a dwarfish habit, grown on Pear root, and inclined to bear at two to four years of age. Fruit is about same size, shape and color of Bartlett, but earlier by two weeks, and of about equal quality. So far no blight has ever attacked it. Very promising. \$1 each.

**Alamo.** Originated by A. L. Bruce, of Grayson county, Texas. Tree so far entirely exempt from blight. Vigorous, bears young. Large, yellow; bronze cheek. Ripens early. \$1 each.

**Clapp's Favorite.** On Pear; prolific; red cheek, large; excellent, table.

**HOWELL.** On Pear or quince; prolific; yellow, large; best, table, market.

**Bartlett.** On Pear or quince; prolific; yellow, large; fine, table, market.

**Le Conte.** On own roots; prolific; yellow, very large; good, table or market.

**SECKEL.** On Pear; prolific; brown, small; best, table.

**Buffum.** On Pear; prolific; brown, small; fine, table.

**BIRKETT.** On Pear; very vigorous, never known to blight; a good fruit of good size; comes into bearing slowly; valuable with age.

**ANGOULEME (Duchesse).** On Pear or quince; pale yellow; very large; good, market.

**ANJOU.** On Pear; moderate grower, moderate bearer; brown blush, medium; fine, table.

**KIEFFER.** On own roots; very vigorous, prolific; yellow, very large; an excellent Pear for canning; rarely blights or fails to bear.

## QUINCES.

Plant 10 to 12 feet apart each way. Quinces need very rich, deep, well-drained soil; they are better for careful culture.

### PRICES.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 20	\$2 00	\$12 00
Packed and prepaid to your depot . . . . .	25	2 50	13 50

**Meech.** Very fine and prolific; none better in growth or quality of fruit.

## APRICOTS.

Plant 18 feet apart each way, requiring 135 trees per acre. Succeed best in limestone soils; bloom very early in spring. Should be treated like peaches. Very successful in most parts of the west, on high ground.

### PRICES.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 20	\$2 00	\$12 00
Packed and prepaid to your depot . . . . .	25	2 50	15 00

**Myer.** Earliest; medium size, good; prolific.

**EUREKA.** Very early; large, fine; prolific.

**Early Golden.** Very early; medium, deep yellow; prolific.

**ROYAL.** Early; large, excellent; one of the very best.

**Moorpark.** Medium, large, excellent; an old favorite.

**CLUSTER.** This valuable variety was introduced by A. M. Ramsey & Son. It is

claimed to have never missed bearing any season since its introduction.

### Russian Apricots.

**ALEXANDER, BUDD and GIBB.**  
The three best varieties of this strain.

### Japan Apricots.

**HUBBARD.** This is remarkable for size, fine quality and vigorous trees, with broad, spreading heads.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



ALMONDS.

Plant 18 feet apart each way, requiring 135 trees per acre. Almonds succeed in irrigated regions of Western Texas, New Mexico, Arizona and California.

PRICES.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 20	\$2 00	\$12 50
Packed and prepaid to your depot . . . . .	25	2 50	15 00
<b>Languedec.</b> A leading variety; grown for commerce.	<b>Ne Plus Ultra.</b> Produced by Mr. Hatch, of California.		
<b>Terragona.</b> A large variety; also much grown for commerce.	<b>Sultana.</b> A standard and popular market variety.		
<b>Nonpareil.</b> Produced by Mr. Hatch, of California.	<b>Princess.</b> Very fine, thin-shelled; rich, good flavor.		

CHERRIES.

Plant 18 feet apart each way, requiring 135 trees per acre. Require very best drouth-resisting soil.

PRICES.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 20	\$2 00	\$12 50
Packed and prepaid to your depot . . . . .	25	2 50	15 00
<b>Early Richmond.</b> An old, popular, reliable variety; very productive.	<b>English Morello.</b> Similar to Early Richmond; later.		

FIGS.

Plant 10 feet apart north and south, by 12 feet apart east and west, requiring 383 trees per acre. Require very rich, deep soil.

PRICES.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 25	\$2 50	\$18 00
Packed and prepaid to your depot . . . . .	30	3 00	20 00
<b>Adriatic.</b> Very large, white; fine quality. The finest of commercial varieties, yet scarce in the United States.	purple; bears the first year; a new and promising variety.		
<b>Black California.</b> Very large, dark	<b>Smyrna.</b> Large, pale purple; very prolific and fine.		

PEACHES.


Plant 18 feet apart each way, requiring 135 trees per acre. Thrive best on high, well drained, sandy loam, with clay subsoil.

IN ORDER OF RIPENING.

Each "ripening" extends over a period of 10 to 15 days, and embraces white and yellow-fleshed, free and cling varieties, where possible. Nearly all the varieties have been critically tested by us along with numerous other kinds, in three successive test orchards, planted and fruited within the past 20 years, in different soils and situations. Not a variety is included which has not been tested by experienced and critical orchardists, and pronounced valuable for the particular purposes and sections for which it is recommended. Desirable qualities in tree, as well as fruit, have been considered. Those varieties followed by the letter *a* are recommended for amateur or family planting. In size and quality of fruit they are usually the very finest, but not prolific or firm enough, or of the right season for profitable planting, except in very favorable localities.

Those followed by *c* are recommended for canning; those followed by *e* are recommended for evaporating; those followed by *m* are recommended for marketing fresh; those followed by *c e m* will make an excellent "all-purpose" variety.

While some of the following list do not succeed in the Gulf regions, the following have been found to do well there: Mamie Ross, Family Favorite, Oldmixon Free, Elberta, Bequett Free and Cling. The entire list succeeds well in all other parts of the Southwest.

 WE CHALLENGE THE WORLD TO EXCEL THIS LIST OF PEACHES.

PRICES—Except where Noted.

3 to 4 feet				4 to 6 feet			
Each	Per 12	Per 100		Each	Per 12	Per 100	
Packed and f. o. b. cars at Denison . . . . .	\$0 10	\$1 00	\$6 00	\$0 15	\$1 50	\$8 00	
Packed and prepaid to your depot . . . . .	12	1 25	8 00	18	1 85	11 00	

Varieties with special prices include prepayment in orders of \$5 or more, or f. o. b. cars in orders of less than \$5.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

## PEACHES. continued.

## I.

Ripening at Denison May 20 to June 10.

**SNEED.** *m.* Earlier, larger and better than Alexander; less inclined to rot.

**ALEXANDER.** *m.* Well-known old standard; extra early.

**TRIUMPH.** *ma.* Large, yellow, freestone, mostly covered with red; most attractive extra early Peach yet produced. Will certainly become very popular as a market fruit. 25 cents each, \$2.50 per 12, \$20 per 100.

**Greensboro.** *m.* Of the same class and description as the Mamie Ross, ripening earlier. Originated in North Carolina. New. 25 cents each, \$2.50 per 12, \$20 per 100.

## II.

**TEXAS** (Texas King). Of the same class and character with the Mamie Ross; better quality. Origin east Texas.

**\*MISS LOLO.** *am.* A perfect freestone; fine quality; blush, white flesh; prolific.

**MAMIE ROSS.** *am.* A very large blush; white flesh; semi-cling; prolific; very valuable.

**HYNES' SURPRISE.** *m.* True freestone when ripe; resists rot better than Hale's Early, which it resembles.

**\*BISHOP.** *m.* Very large, crimson, white flesh; free; a valuable market sort, sure and prolific.

**Alice** (Haupt). *m.* Chinese Cling seedling; prolific, large, fine.

**CARMAN.** *cm.* Origin in Limestone county, Texas. Large, of fine appearance and quality; firm, free from rot; highly praised. 50 cents each, \$4 per 12.

## III.

Ripening at Denison June 10 to July 5.

**Ray.** *cm.* A noted east Texas variety; even larger and finer than Mamie Ross. Similar otherwise.

**Yellow St. John.** *acm.* Where it succeeds well it is exceedingly profitable. Does well in California and eastern and western Texas. Tender in bud here, like Crawford.

**General Taylor.** *am.* Large; flesh blood red, crimson all over; cling of Indian Blood type; productive.

**Eldred.** *am.* A crimson cling of immense size. Origin Southern Texas.

**MOUNTAIN ROSE.** *cem.* Large, round; white flesh, red cheek; free.

## IV.

**\*FAMILY FAVORITE.** *mce.* Large; white flesh, red cheek; free, sure, prolific; seedling of Chinese Cling. This is making a most favorable record everywhere.

**MRS. BRETT.** *mce.* Similar to Oldmixon Free, but about a week earlier; sure, prolific.

**Foster.** *aecm.* Earlier and finer quality than Early Crawford; very handsome.

## V.

Ripening at Denison July 5 to 20.

**GEN. LEE CLING.** *am.* Seedling of Chinese Cling, but earlier and more prolific; better.

**Crawford Early.** *am.* Tender in bud; an old, valuable standard variety. Fine in West Texas.

**OLDMIXON FREE.** *mce.* Large; white flesh, red cheek; fine, prolific, sure. An old "stand-by."

**ELBERTA.** *mce.* Very large; yellow, red cheek; free, firm, sure, prolific; best of all. For vigor, certainty and abundant bearing, this variety has no superior; for fine appearance, good shipping qualities and ready selling, for canning and evaporating, it stands without a peer. It cannot be too extensively planted.

**Chilow.** *mce.* Very much like Elberta in color, size, shape and quality, except this is a cling. Good shipper. Very much praised in Travis county, Texas. Chinese Cling seedling. 50 cts. each, \$4 per 12.

**TORNADO.** *mce.* A Peach that originated with W. S. White, of Grayson county, Texas. Equals Elberta in every respect except quality and productiveness, in which it excels Elberta. Of the same season, color and blood. 50 cts. each, \$4 per 12.

**\*SUPERB.** *mce.* Seedling of Early Rivers, crossed with Mountain Rose. Pure freestone; white flesh, red cheek; a very prolific and profitable Peach; finest quality.

**Crosby.** *mce.* Large, yellow freestone; sure bearer, and prolific.

**Chinese Cling.** *a.* Largest size; oblong; greenish cream, faint blush.

**\*Utah Free.** *cem.* Large, prolific; rich yellow; valuable.

**\*Utah Cling.** *m.* Large, prolific; yellow, red cheek.

**\*SHIPLER.** *cm.* Yellow, cling; produced by A. L. Shippler, of Denison, Texas. Valuable; resembles the Elberta, except being a cling. 25 cts. each, \$2.50 per 12, \$20 per 100.

## VI.

Ripening at Denison July 20 to August 10.

**SYLPHIDE.** *mc.* Cling; large, white flesh, red cheek; prolific, sure; seedling of Chinese Cling, than which it is more prolific.

**BEQUETT FREE.** *mce.* Largest size; white flesh, red cheek; productive, firm, superb; possesses Chinese blood; a sure bearer.

**Orange Cling.** *cm.* Large, clear yellow; sweet, rich, juicy; prolific.

**DRUID HILL.** *mec.* Large; white flesh, red cheek; free; prolific; old reliable kind.

**STUMP.** *mec.* Large; white flesh, red cheek; free; reliable.

**BEQUETT CLING.** *cm.* Very large; white flesh, red cheek; productive, fine; as large as Chinese Cling, and possesses some Chinese blood.

**OLDMIXON CLING.** *mc.* An old standard variety; large, white flesh, blush.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



## PEACHES. continued.

## VII.

Ripening at Denison August 10 to 25.

\***Columbia.** *cem.* Large; dull orange-yellow, mottled with red; free; sure.

\***Scruggs.** *cem.* Large; similar to Picquet's Late, but earlier; valuable.

**CROTHERS.** *mec.* Large; white flesh, red cheek; best, productive; superior to Ward's Late.

**Walker.** *mec.* Largest; white flesh, blush cheek; an old standard kind.

\***RAISIN.** *am.* Of the Indian Cling type, crossed with Heath. Large, juicy, prolific; splendid. The finest in quality of any cling known to us.

## VIII.

**RINGGOLD.** *cm.* A greatly improved seedling of Heath Cling; superb, white, sweet.

**Picquet.** *mce.* Very large; yellow, with red cheek; free; sure, prolific.

**SALWAY.** *mce.* Similar to Picquet; sometimes follows it, and sometimes precedes it; sure, valuable, market.

\***Crimson Beauty.** *mc.* Very large; white flesh, crimson surface; cling; prolific.

## IX.

Ripening at Denison September 10 to 25.

**Wonderful.** *cem.* A remarkably fine, yellow freestone, of the Smock type.

**HENRIETTA,** or **Levy.** *mc.* Very large, cling; yellow, crimson cheek; sure.

\***BONANZA.** *cem.* Very large; white flesh, red cheek; free; prolific, vigorous.

**LONOKE.** *am.* Large, yellow; cling; prolific; flowers large; late, sure.

\***Topaz.** *cem.* Large, yellow; free; red cheek; prolific; flowers large, late.

\***Cobbler.** *cem.* Large yellow; free; prolific, vigorous tree; valuable.

## X.

Ripening at Denison into October.

\***Barnes.** *am.* A fine, very late yellow cling of Indian type. Originated in Bell county, Texas, by Barnes Parker.

\***BELL'S OCTOBER.** *cem.* Large, rich yellow, red cheek; freestone; of finest quality. Originated by Hon. C. C. Bell, of Denton county, Texas. 25 cts. each, \$2.50 per 12.

\***Success.** *cem.* Prolific, sure; latest yellow freestone; large, excellent. Originated in our grounds, and offered with confidence in its merits. 25c. each, \$2.50 per 12.

**Elberta Seedling Peaches.** As some persons are of the opinion that seedling Peaches succeed better than budded or grafted varieties (which we very much doubt), we have grown a few trees from Elberta seed from the most select fruit, so as to offer the very best class of seedlings. The trees producing these grew in orchard among other fine varieties, hence the seedlings will not be like the parent in most cases, but crosses between it and other kinds. Price same as standard varieties.

## PLUMS.

Plant 18 feet apart each way, requiring 135 trees per acre. Succeed on thinner land than the peach, with more clay, and thrive where the peach will.

## PRICES—Except where Noted.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 20	\$1 75	\$10 00
Packed and prepaid to your depot . . . . .	25	2 40	13 00
Varieties of special prices include prepayment.			

This list is superb. Varieties of each class generally stand in order of ripening, and all succeed well nearly everywhere.

## Chickasaw Varieties.

Bloom very early.

**Lone Star.** Medium grower; red, large, good; abundant.

**MUNSON.** Originated by G. Onderdonk, Victoria, Texas. Tree vigorous, spreading; sure and prolific; large, round, red; excellent, profitable.

\***TRANSPARENT.** Excellent grower; yellow, above medium; good, abundant.

**McCartney.** Of Texas origin. Ripens with the earliest Plums. Large, oblong, pure yellow. Tree strong and productive. 50 cts. each, \$4 per 12.

Chickasaw Varieties of the Wild Goose Type (*P. Hortulana*.—BAILEY).

Bloom early to medium.

\***CLIFFORD.** This splendid Plum was produced by Mrs. Clifford, of this city, from seed of Wild Goose. It is larger than Wild Goose, pear-shaped, red, meaty, with fine, pineapple flavor. 50 cts. each.

**WILD GOOSE.** Vigorous; red, large, very good; abundant when pollinated by other varieties flowering at the same time.

**WOOTEN.** Good grower; red, medium; very good; prolific, sure. Trees of this planted near or among Wild Goose pollinate its flowers, causing it to bear well.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

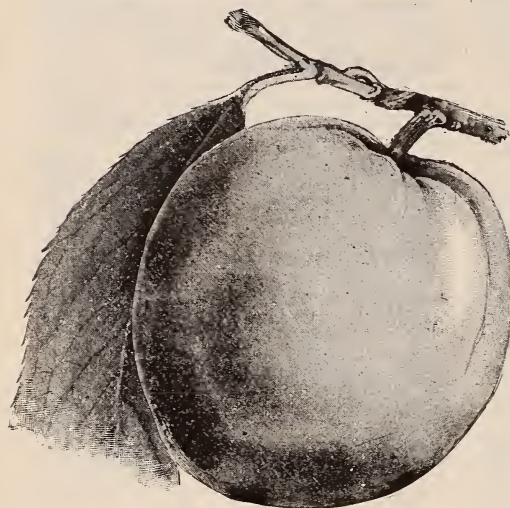


## PLUMS, continued.

**Whitaker.** Improvement in tree and fruit on Wild Goose, of which it is a seedling, by J. T. Whitaker, of Smith county, Texas.

**MILTON.** Wild Goose crossed on Americana. Better than Wild Goose, equally as large; handsome and productive; red; excellent.

**CHARLES DOWNING.** Wild Goose-Americana cross. Very vigorous, healthy tree; fruit large, handsome, excellent. One of the best of the Wild Goose type.



ABUNDANCE.

**Gonzales.** A Japan variety crossed with Wild Goose. Fruit very large, and of a brilliant red. Finest of flavor. Good shipper and keeper. Tree very strong and immensely productive. Very highly praised by those who have seen and grown it. \$1 each, \$8 per 12.

**BESTOFALL.** A seedling of Miner hybridized with Abundance. Tree very vigorous. Flowers very late. Very sure and prolific bearer. Fruit medium to large, round, rich red; firm, meaty, of best quality. One among the very few that set full of fruit this year of general failure in Plums here. Originated by us. Has fruited three successive seasons. Always very full, and free from attack of rot and curculio. Only a few trees at \$1 each.

#### Prunus Rivularis Varieties.

Bloom very late.

\***Nimon.** Hybrid, produced by us, of Wayland pollinated by Wild Goose. Tree very vigorous and healthy, productive; fruit large as Wild Goose; crimson, with white dots; very handsome, ovate, firm, meaty, and of excellent quality. A Plum of much promise. \$1 each.

**Wayland.** Vigorous; crimson, medium, good, firm; very prolific; sure.

**GOLDEN BEAUTY.** Vigorous; yellow, medium, good; free, very prolific; unailing.

#### Americana Varieties.

All this class flower very late, and are sure fruiterers.

**CHENEY.** Vigorous, prolific, large, red; earliest of this class; excellent.

**WEAVER.** Vigorous; red, good, prolific; sure, well tested, profitable.

**HAMMER.** Vigorous, upright, prolific; large, red, meaty, excellent; nearly free-stone.

**FOREST GARDEN.** Vigorous, red, large; excellent, prolific, sure.

**HAWKEYE.** Very highly recommended as one of the best of this class.

**New Ulm.** Very large, red, firm; excellent.

**ROCKFORD.** Exceedingly vigorous, prolific; large; red; excellent.

**Wilder.** One of the newer varieties of great promise.

**Wyant.** New; highly recommended by those who have fruited it.

\***NEWTON.** Vigorous, healthy; very prolific, unailing cropper; very large, red; freestone of best quality; new.

We can supply a few trees each of the following new, most excellent American Plums, at the ordinary price: Bixley, Stoddard, Rollingstone, Wolf, Poole's Pride and DeSoto.

#### Japanese Varieties.

(*Prunus triflora*.)

**Red June.** Medium size, slightly conical; solid, dark red color, with yellow flesh; blooms late, ripens early; sure bearer.

**ABUNDANCE (Botan).** Vigorous, upright; large, purple, good; very prolific, sure; best of all Japan varieties.

**BURBANK.** Very vigorous, spreading, very prolific; very large, purple; profitable.

**Chabot.** Large, round; red skin, yellow flesh; very firm. Similar to Douglas; ripens after Burbank.

**DOUGLAS (Hytankayo).** Strong, upright tree; fruit very large, crimson, with white bloom; excellent, prolific, valuable.

**SATSUMA.** Good, healthy tree; fruit large; blood red in surface and flesh.

**Hale.** Tree most vigorous; fruit very large; orange, mottled with cherry red; quality equal to the Imperial Gage. Professor L. H. Bailey pronounces it the best in quality of all the Japan Plums.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

## PLUMS, continued.

## European Varieties.

*(P. domestica.)*


**Clyman.** Large, purple, prolific; very fine.

**Giant.** Produced by Luther Burbank; largest of all Prunes; very vigorous, purple; fine quality. 50 cents each.

**Pacific.** This is a new Prune of the Pacific coast; of first-class merit as a commercial Prune. 50 cents each.

**Silver Prune.** Very large, pale yellow; fine quality.

**Tragedy.** Large, dark purple; very rich and sweet; freestone; very valuable as a shipping Plum. 50 cents each.

 The above Prunes are recommended for regions where European Plums are known to do well, as in Western Texas and New Mexico, where rot and curculio do not prevail.

## MULBERRIES.

Plant 20 feet apart, requiring 109 trees per acre. Flourish in any soil or situation.

## PRICES.

	3 to 4 feet			4 to 6 feet			6 to 8 feet		
	Each	Per 12	Per 100	Each	Per 12	Per 100	Each	Per 12	Per 100
Packed and f.o.b. cars									
at Denison . . . .	\$0 10	\$1 00	\$7 00	\$0 15	\$1 50	\$10 00	\$0 20	\$2 00	\$15 00
Packed and prepaid . .	12	1 25	9 00	18	2 00	13 00	25	2 50	20 00

**HICKS' EVERBEARING.** Profuse bearer of fruit for three months; fine grower for shade; the best of all trees for the fowl yard, as the fowls greedily eat the berries.

**Downing.** A larger, better berry than Hicks'; not so prolific, and not so hardy as that variety.

**Victoria.** One of the best Russian Mulberries yet produced; very fine.

**Munson.** One of the largest, most prolific and best Mulberries of the Russian class. Originated by us, selected from among thousands of varieties grown from seed. The branches in fruit look like ropes of big berries.

## BLACKBERRIES.

Plant 2 feet apart in rows, rows 7 feet apart, requiring 3,112 plants per acre. Succeed anywhere.

## PRICES.

The prices following each variety include prepayment. If prepayment is not desired, then deduct 15 cents from the dozen rate, 50 cents from the hundred rate, and \$2 from the thousand rate.

## IN SUCCESSION.

**SPAULDING.** Very vigorous, quite thorny. Very early, large, fine quality. Does well near the Gulf north 300 miles. 50 cts. per 12, \$2.50 per 100.

**EARLY HARVEST.** Vigorous, upright; few weak thorns; very prolific; medium size, firm; profitable market. 50 cts. per 12, \$2 per 100, \$10 per 1,000.

**DALLAS.** Very vigorous, drooping,

thorny, productive; large, fine. This is proving to be a very valuable market variety. 50c. per 12, \$2 per 100, \$10 per 1,000.

**Minnewaska.** Similar to Kittatinny, but regarded as still better and not subject to rust; new. 50 cts. per 12, \$2.50 per 100.

**Erie.** Vigorous, upright, moderately thorny, prolific; very large and fine. 50 cts. per 12, \$2.50 per 100.

## DEWBERRIES.

**MAYES** (Syn., Mayes' Hybrid, Austin's Improved). This originated at Pilot Point, Texas; we have the genuine. It is exceedingly large, fine and early; prolific. 10c. each, 50 cts. per 12, \$3 per 100, \$18 per 1,000, prepaid; or 40 cts. per 12, \$2.50 per 100, \$15 per 1,000, not prepaid.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



## RASPBERRIES.

Plant 3 feet apart in rows, rows 5 feet apart, requiring 2,904 plants per acre. Need best drouth-resisting soil, on eastern or northern slope.

### PRICES.

	Each	Per 12	Per 100
Packed and f. o. b. at Denison . . . . .	\$0 10	\$0 75	\$4 00
Packed and prepaid to your depot. . . . .	12	1 00	5 00

**Palmer.** This comparatively new variety is considered the largest and best of the early black-caps.

**Kansas.** A very large, excellent-fruited black-cap; one of the best for a dry, hot climate.

These are the best black-cap varieties among many that we have tested.

## STRAWBERRIES.

Plant 16 inches apart in rows, rows  $3\frac{1}{2}$  feet apart, requiring 9,000 plants per acre. Deep, loamy, sandy soil, with clay sub-soil, is preferable.

### PRICES.

(Except Parker Earle, Mexican and Michel's Early, which note.)

	Doz.	Per 100	Per 1,000	Per 5,000
Packed and f. o. b. at Denison . . . . .	\$0 25	\$0 75	\$3 50	\$15 00
Packed and prepaid to your depot. . . . .	35	1 00	5 00	20 00

Our plants are not like those handled by many growers—weak, old and mixed, but young, vigorous and pure. The very best varieties by actual test for the Southeast. Handled in the very best manner. We test nearly all varieties of any promise as they come out. The following are the cream for this climate.

**MICHEL'S EARLY.** Earliest of all; large; vigorous, perfect flower; a fine pollinator for other kinds. \$3 per 1,000, f. o. b.; \$4, prepaid.

**Ideal.** Large, dark crimson, firm; out-yields Michel's Early; not so vigorous. Crop comes off in 3 or 4 pickings; perfect flower.

**Splendid.** Perfect flower; vigorous and very prolific; large, round, bright red, handsome berry.

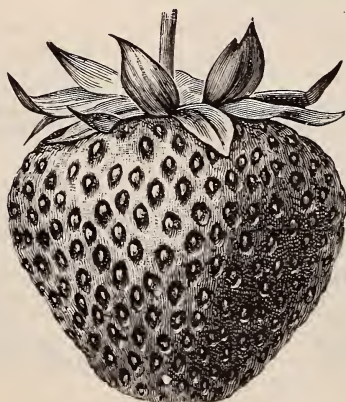
**Paris King.** Perfect flower; very vigorous; tall plant and fruit stems; very large, conical; colors evenly and well; firm; very prolific.

**Captain Jack.** Large, crimson, firm; good and very productive.

**BUBACH NO. 5.** Large, handsome; productive, valuable; very successful here; pistillate.

**\*PARKER EARLE.** Still leads every other variety in productiveness. Plant robust, free from disease, stooling heavily, and renewing itself sufficiently by strong runners. It is a model in make up; endures the extremes of heat and cold remarkably well. Berry regular, uniformly large, conical, with a neck; glossy scarlet-crimson, ripens all over; flesh firm, crimson, no hollow core; seeds golden, becoming crimson, prominent, protecting in handling; quality excellent. Flowers perfect, always setting perfect fruit, which is borne in the greatest profusion, the rate of 16,000 quarts per acre having been gathered. The fruit carries well, and brings the very highest price in market. Price, f. o. b. at Denison, 50 cts. per 12, \$1 per 100, \$5 per 1,000. Price, prepaid, 60 cts. per 12, \$1.35 per 100, \$7 per 1,000.

**MEXICAN.** Tested here two years. In plant, size, beauty and quality of berry unexcelled; more prolific than Bubach. 50 cts. per 12, \$1 per 100, \$5 per 1,000, f. o. b. here; 60 cts. per 12, \$1.35 per 100, \$10 per 1,000, prepaid.



MEXICAN.

**CRESCENT.** Early, prolific; bright; excellent market; pistillate; needs Michel's Early to fertilize it.

**Tennessee.** Perfect flower; vigorous, prolific, dark bright red; firm; large to very large.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



# GRAPES.

We lead all competitors in this field.

Plant 8 feet apart in rows, rows 9 feet apart; requiring 605 vines per acre.

## STANDARD LIST.

In succession. Have a large stock of finest quality. This list contains the best and most successful; have tested all these, with hundreds of others. Flowers perfect, and will bear alone, unless otherwise noted; when pistillate, they need a perfect-flowered kind planted near. With irrigation in West Texas and westward all varieties in the list succeed. East of the rooth meridian, the Bordeaux mixture spray will enable many varieties to succeed that without it fail on account of the rot and mildew. In most regions all varieties do better if treated with Bordeaux spray. See Spraying Outfits, 3rd cover page.

By repeated comparison it is certainly established that yearling grape vines, as we grow them, outclass No. 1 northern grown 2-year olds, and our 2-year olds are so strong that if planted early, say from November to February, they are capable of bearing without injury several clusters the first year. Hence our prices are much cheaper than they appear to be by comparison with other's prices. A weak grape vine is not worth planting at any price.

**PRICES:** The prices given after each variety are for 1-yr. plants. If 2-yr.-old plants are wanted, add to the prices given for 1-yr., 2 cts. per vine, 20 cts. per 12 vines, \$1.50 per 100 vines. Remember that the prepaid prices are for orders of \$5 or over, and within the states named on page 2 of body of Catalogue.

Packed and f.o.b. Denison. P'k'd, prep'd to your depot.

	1-yr. each add 2c. for 2-yr.	1-yr. per 12 add 20c. for 2-yr.	1-yr. per 100 add \$1.50 for 2-yr.	1-yr. each add 2c. for 2-yr.	1-yr. per 12 add 20c. for 2-yr.	1-yr. per 100 add \$1.50 for 2-yr.
<b>Campbell's Early.</b> Is superior in every respect to Concord, and ripens two to three weeks earlier. Best production of G. W. Campbell, of Ohio	\$1 00			\$1 00		
<b>Early Ohio.</b> Is a great improvement over the Champion, and does not drop from the cluster as does that variety	10	\$1 00		11	\$1 10	
<b>Moore's Early.</b> Very large, black; good market. Texas northward	08	75	\$6 00	09	85	\$6 75
<b>GREEN MOUNTAIN.</b> New; above medium, white; prolific, good. Texas northward	20	2 00	15 00	21	2 15	15 75
<b>Wyoming Red.</b> In cluster similar to the Delaware, but larger, and twice as large in berry; bright, beautiful red; good, profitable for market.	10	1 00		11	1 10	
<b>Shelby.</b> A beautiful, yellowish white Grape, of about the same size as Green Mountain, and a still finer quality, ripening about the same time; very prolific. Latest and best production of D.S. Marvin, of New York	50	5 00		50	5 00	
<b>MOORE'S DIAMOND.</b> One of the finest white American Grapes; new. Texas north	10	1 00	8 00	11	1 10	8 75
<b>IVES.</b> Medium, black; fair market, wine; free from disease. Texas north	05	50	4 00	06	60	4 75
<b>Perkins.</b> Large, pink; fair market, prolific, healthy. Texas northward	05	50	4 00	06	60	4 75
<b>Brighton.</b> Large, red; fine table, market, wine; pistillate. Northward	05	50	4 00	06	60	4 75
<b>DELAWARE.</b> Small, very fine; table and market; little or no rot; successful	08	75	6 00	09	85	6 75
<b>Norfolk.</b> New; large, red; fine table and market, wine. Texas northward	10	1 00	8 00	11	1 10	8 75
<b>Lindley.</b> Large, red; very good table and market; pistillate flower. Northward	05	50	4 00	06	60	4 75
<b>Salem (Rogers' No. 53).</b> Bunch and berry large, dark chestnut-red, sweet, rich and tender; good shipper; vine vigorous	07	60	4 50	08	75	5 00
<b>Agawam (Rogers' No. 15).</b> Similar to Salem, with still larger berries, darker red; peculiar, agreeable flavor; vigorous, prolific	07	60	4 50	08	75	5 00
<b>Lady Washington.</b> Very large, pale red; very fine table. Texas north	10	1 00	8 00	11	1 10	8 75
<b>Empire State.</b> Large, yellow; fine table; prolific, rots, drops. Texas north	10	1 00	8 00	11	1 10	8 75
<b>Worden.</b> Very large, black; good market. "Improved Concord"	05	50	4 00	06	60	4 75

## GRAPES, continued.

Packed and f.o.b. Denison. P'k'd, prep'd to your depot.

Remember that the prepaid prices are for orders of \$5 or over, and within the states named on page 2 of body of Catalogue.

	1-yr. each, add 2c. for 2-yr.	1-yr. per 12, add 20c. for 2-yr.	1-yr. per 100, add \$1.50 for 1-yr.	1-yr. each, add 2c. for 2-yr.	1-yr. per 12, add 20c. for 2-yr.	1-yr. per 100, add \$1.50 for 2-yr.
<b>NIAGARA.</b> Large, white; very good table, market; successful . . . . .	\$0 08	\$0 75	\$6 00	\$0 09	\$0 85	\$6 75
<b>Martha.</b> Large, white; table, wine. For same region with Concord . . . . .	05	50	4 00	06	60	4 50
<b>CONCORD.</b> Large, black; table, market; well-known. Texas northward . . . . .	04	40	3 00	05	50	3 75
<b>Eaton.</b> A seedling of Concord, with large clusters of enormously large, black berries; new, vigorous; succeeds with Concord . . . . .	15	1 50	10 00	16	1 60	10 75
<b>Missouri Riesling.</b> A white Grape of medium size, free from disease, pure, excellent quality, wine, table; sometimes cracks. Texas northward . . . . .	05	50	4 00	06	60	4 50
<b>CATAWBA.</b> Cluster and berry large, dark red; juicy, sprightly, fine; fine for market, table and wine . . . . .	05	50	4 00	06	60	4 50
<b>Excelsior.</b> Large berry and cluster red, meaty; best table; feeble . . . . .	20	2 00	15 00	21	2 15	15 50
<b>JEFFERSON.</b> Large, red berry; large cluster; best table, market. Texas north . . . . .	10	1 00	8 00	11	1 10	8 75
<b>Diana.</b> Large, red; fine table, market, wine. Central Texas northward . . . . .	08	75	6 00	09	85	6 75
<b>Triumph</b> (Campbell's). Very large, white; best table. Texas to Missouri . . . . .	10	1 00	8 00	11	1 10	8 75
<b>Goehe.</b> Very large, pink; fine table. North Texas to Missouri . . . . .	05	50	4 00	06	60	4 50
<b>Highland.</b> Vigorous, prolific; very large clusters and berry; black; fine . . . . .	15	1 50		16	1 60	
<b>Norton</b> (Cynthiana). Small, black; fine red wine. All Southern states . . . . .	10	1 00	7 00	11	1 10	7 75
<b>Jacquez</b> (Black Spanish, Le Noir, "Blue French"). Small, large cluster, black; red wine. Succeeds well in all Southwest Texas . . . . .	10	1 00	7 00	11	1 10	7 75
<b>BERTRAND.</b> Vine similar to Herbemont. Origin in Georgia. Cluster very large; berry small to medium, dark purple, red juice, fine, sprightly. Even more successful than the Herbemont in the South. New . . . . .	30	3 00	20 00	31	3 15	21 00
<b>HERBEMONT</b> (McKee, Bottsi, "Brown French"). Small, large cluster, purple; finest quality, table, wine; best old Grape in Southwest Texas . . . . .	10	1 00	7 00	11	1 10	8 00
<b>PULLIAT.</b> Originated in France from Herbemont, than which it is larger, even better, of same color, later, very prolific, less subject to rot; succeeds wherever the Herbemont does. . . . .	30	3 00	20 00	31	3 15	21 00

## SOUTHERN MUSCADINES.

Succeed in deep, rich soil throughout the South; require much trellis room. Plant 16 feet apart in vineyard rows; prune early after leaves fall.

**Flowers.** Medium to large, black; good.

**THOMAS.** Very large, black; good wine; 1 year old.

**SCUPPERNONG.** Large, brownish yellow; good wine; 1 year old.

The above three varieties, 15 cts. each, \$1.50 per 12, f. o. b. at Denison; 16 cts. each, \$1.60 per 12, prepaid.

**Male Muscadine.** If planted near the former, this variety renders the three varieties named very fruitful anywhere in the South. Without such pollinators planted nearby they are unfruitful. 25 cts. each, \$2.50 per 12, prepaid; \$2.25 per 12, f. o. b.

See "A New Departure in Grape Hybrids," bottom of page 17.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

## VINIFERA VARIETIES.

Plant 8 feet apart in rows, with rows 9 feet apart, requiring 605 vines per acre. Prices on all except Griesa de Piemonte.

## PRICES.

	Each	Per 12	Per 100
Packed f. o. b. cars at Denison . . . . .	\$0 10	\$1 00	\$7 00
Packed and prepaid to your depot. . . . .	12	1 15	8 00

These succeed in far South and West Texas, especially with irrigation, equally as well as in California, but fail entirely in Central and East Texas, owing to phylloxera, rot, mildew, etc.; but by grafting on resistant roots and spraying with Bordeaux mixture, succeed in all but extreme North Texas, and with winter protection can be fruited there.

We have in our Vineyard, on sandy soil, the following list, growing and fruiting successfully, selected from among a large number of the finest French, Spanish, Hungarian, Italian, Sicilian and Persian varieties. Some are of recent importation. We have no grafted vines for sale, but can supply cuttings of the best resistant stocks for the South and California by mail at \$2 per 100. We also offer rooted graft-stocks, which see, page 18.

The remarks with reference to mildew and rot are of vines in open ground, not sprayed, at Denison, Texas.

**CALABRIAN.** (Italian.) Of Muscat type; vigorous, healthy, some black-rot; cluster very large, compound; berry large, roundish, yellowish, meaty, juicy, fine; table, market, raisin.

**CRUJIDERO.** (Sicilian.) Vigorous; little mildew and rot; cluster and berry very large; berry ovate, yellow, meaty, equal to Malaga for shipping; excellent quality.

**FEHER SZAGOS.** (Hungarian.) Very vigorous, healthy; fruit subject to rot; Persian type; cluster very large; berry cylindrical, ellipsoidal, curved like Cornichon; white, meaty, very fine; table, market, raisin.

**FAVORITA.** (Italian.) Vigorous, healthy, some mildew; cluster large; berry large, roundish, yellowish, translucent; juicy, sprightly, rich.

**GOLDEN CHAMPION.** (Californian.) Vigorous, some mildew and rot; cluster large; berry large, ovate, yellow, late, fine, juicy; table, market.

**GRIESA (DE PIEMONTE).** (Italian.) Vigorous, healthy, very little mildew or rot; cluster very large, compound; berry large, purplish black, meaty, juicy, very fine; table, market, white wine. 50 cts. each, \$5 per 12, prepaid.

**MALAGA.** (Spanish.) Vigorous, healthy; cluster very large; berry large, meaty, ovate, white; table, market, raisin.

**MILLENNIUM.** (Hungarian.) Received through American Consul of Hungary. Large cluster; large, oval, white berry, of pure sprightly quality. Vine very vigorous and comparatively free from disease.

**Mission.** (Californian.) Vigorous, subject to mildew and rot; cluster long, straggling; berry small to medium, pale to dark red; very sweet and juicy.

**OLIVET (DE CADINET).** (Italian.) Vigorous, some black rot; cluster large; berry large, ovate, purplish black, meaty, juicy; table, market, wine.

**QUAGLIANO.** (Sicilian.) Vigorous, prolific, little mildew and no black rot; cluster large; berry large, round, grayish purple, meaty, juicy, fine, late; table, market.

**SAUVIGNON JAUNE.** (French.) Vigorous, healthy, little mildew and rot; cluster large, compact; berry medium, yellow, meaty, tender, early; table, white wine.

**Verdelho.** (French.) Vigorous, healthy; fruit rots; cluster large; berry large, ovate, yellowish, meaty, juicy; table, market.

**VIOLET CHASSELAS.** (French.) Vigorous; mildews and rots; cluster large; berry large, ovate, violet, beautiful, superb quality; table, market, wine.

**ZINFANDEL.** (Hungarian.) Vigorous, healthy vine; fruit rots; cluster large, compact; berry medium, round, black, juicy, fine; table, wine.

## NEW CREATIONS IN AMERICAN GRAPES.

## T. V. MUNSON'S HYBRIDS AND SEEDLINGS.

We have hundreds of most favorable testimonials voluntarily written us by practical grape-growers, from all parts of the country, praising many of our hybrids, each for its proper region, in unqualified terms. Thus by their own merits are they rapidly becoming popular. With the following list, with ordinary vineyard culture, one can, in the South, have a fine succession of choice fruit from June 25 (here at Denison 34° north latitude) until in October. This truly marks a new era in Grape culture in the South. For many years we have put the fruit of our hybrids largely upon the market, selling much more readily and at better prices than do such varieties as Concord, Niagara, Ives, etc., which we also grow in market quantities.

The Grape has steadily been our most profitable market fruits. Good varieties when

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



## GRAPES, continued.

well grown, are the most nutritious and wholesome of all fruits. Easily and quickly produced, liked by everybody, most beautiful, attractive and salable in the markets at any season of the year, to say nothing of the staple products of jellies, wines, etc., manufactured from them.

It has not been our object to foist upon the public a lot of worthless novelties, but we have undertaken, in an honest, progressive spirit, to originate, test and introduce a succession of varieties possessing the best combination of native blood possible, to furnish the country what it greatly needs, but has never had—varieties of the most successful, valuable character, covering the entire Grape season in the South from July 1 to November. Having better material and better knowledge than ever before from which to produce valuable combinations, we yearly grow some additional hybrids for special purposes and regions. A few of the best of these may be offered for sale in due time, in case we think them real improvements over anything at present possessed. As a money venture, we never expect to regain expenses in the matter of production of new varieties, as it is a long, expensive, little-appreciated process; but we take pleasure in it, and an ambition to do something that will bless the race long after we have ceased to work.

No other originators have started their varieties so low nor reduced them so rapidly in price as we have, and yet our varieties, as a lot, are superior to any others ever originated by one person.

Prices on all the following of our Grape introductions, except *New Introductions*, which see, on page 17.

## PRICES.

	Each	Per 12	Per 100
Packed f. o. b. cars at Denison. . . . .	\$0 25	\$2 50	\$20 00
Packed and prepaid to your depot. . . . .	30	2 75	21 00

## PRESLY.

This is a seedling of Elvira crossed by the Champion. The vine is strong and healthy, covered with a healthy dark green foliage. It is the first of our grapes to ripen, and on this account it is a profitable variety. The size of the cluster and berry is that of the Delaware, and resembles the Delaware; even more attractive in the basket. The quality is good, far above that of Champion. The berry is juicy and the pulp tender. For an extra-early market Grape that would give satisfaction, we could recommend none better than this. The vine is prolific, always setting a full crop. Free from all diseases.

## BRILLIANT.

This is a seedling of Lindley crossed by Delaware, produced in 1883. The vine is vigorous and hardy. It ripens just before the Delaware, is very prolific; berries and clusters as large as Concord; compact, translucent red, similar to the Delaware; quality about the same as Delaware, with less pulp; seeds one to three; skin thin and tough; berries adhere firmly to peduncle, making it a splendid early market Grape, and commands the highest price; it makes a fine white or amber wine. Shipped it over 1,000 miles to market in fine order, and received best price on the market. It has received unreserved praise everywhere it has been tested—in Florida, Georgia, New Jersey, New York, Ohio, Kentucky, Missouri, Texas, Colorado and Connecticut. It mildews some in wet seasons in New Jersey and Michigan, near large bodies of water, but Bordeaux spray corrects that.

## BELL.

A hybrid of Elvira with Delaware. Vine vigorous, healthy, free from mildew and

leaf-folder, very hardy, a good, sure producer; cluster medium, cylindrical, often with a shoulder, fairly compact; berry medium, round, greenish yellow, rarely attacked with black rot; skin thin, sufficiently tough to prevent cracking under ordinary weather changes; pulp rather tender, juicy, very sweet and agreeably flavored; ripens just before Concord. Successful in Texas northward.

## ROMMEL.

Produced in 1885 by crossing the Triumph upon Elvira. Vine very vigorous, free from disease, not attacked by the leaf-roller; clusters medium, simple or shouldered, compact, handsome; berry medium to large, yellowish white, translucent; skin thin; pulp melting, seeds few and small; quality best, pure, sprightly, vinous; season about the same as Delaware; the vine is very hardy to resist cold or heat, and is very productive. We recommend this variety for extensive trial north as well as south, as a very superior Grape for local and near-by markets. The crop on 300 vines at five years of age averaged over 15 pounds each, and brought the highest market price. It makes fine white wine. Texas northward.

## DR. COLLIER.

A hybrid produced from a very large, fine Post-Oak Grape, pollinated by Concord. Leaves out and flowers late; very productive and vigorous, hardy; clusters large, conical, handsome; berries large, red, becoming dark purple, very beautiful. Much less subject to rot than Concord; skin thin, does not crack; pulp very juicy, sprightly, with an agreeable, perceptible Concord flavor; hangs on longer after ripening without losing flavor, and will probably make a much better wine than Concord. Ripens just after Concord. Missouri southward.

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## GRAPES, continued.

## BEACON.

## "The Southern Concord."

A hybrid of a very large-clustered, large-berried "Texas Post-Oak Grape" (*Vitis Lincecumii*) of good quality, excelling Concord. Vine vigorous, with dark, glossy green leaves of excellent texture and health; leaves out and flowers later than Concord and ripen earlier; cluster large; long, cylindrical, often with a shoulder; berries closely resemble those of Concord, but average larger, some being one inch in diameter, and the bloom is somewhat heavier; the fruit has not the rank muskiness of Concord, but a very agreeable tubero-rose odor; skin tougher; pulp rather tender, meaty, of a somewhat similar, yet better quality than Concord; seeds three to four, above medium. The vine is exceedingly prolific, and carries its load with ease. This Grape, we believe, will succeed almost anywhere that the Concord will thrive, and in much of the dry, hot southern country where Concord is practically a failure. The fruit is less attacked by rot than that of Concord, and ripens perfectly even, while Concord is very irregular in that respect in the South.

## R. W. MUNSON.

A hybrid of "Big Post-Oak" with Triumph. The vine is very vigorous and healthy, setting and maturing a heavy crop, enduring drouth remarkably well; cluster large, cylindrical; berry large, black, persistent; seeds two to three, small; skin thin and tough; pulp tender and of excellent quality. This is one of the best all-purpose Grapes we have ever produced, and will succeed from the extreme South to far into the North. Its mother is the same vine that produced the Beacon. Cluster and berry very similar to Beacon, excepting that it has no bloom on the fruit, being jet black. An excellent table and wine grape.

## DELAGO.

Hybrid of Delaware pollinated by Goethe, produced in 1883. Vine similar to Delaware, but more vigorous and a much heavier cropper. Cluster medium, shouldered, same shape as Delaware; berry large as Concord, ovate, beautiful red, about same shade as Delaware, very persistent; skin thin but tough, enabling the variety to endure shipment to any distance; pulp meaty, tender, of finest quality, possessing a delightful muscat flavor; seeds one to two, medium to large. Owing to the flower having short, recurved stamens, it requires a long stamen variety growing near to serve as pollinator for it. The Brilliant is excellent for this purpose.

## AMERICA.

This is a seedling of Hermann Jaeger's No. 70, which is a hybrid between the best selected *Vitis Lincecumii* and *Vitis rupestris*; native of Missouri, hence has pure American blood of two of our best species. The vine is very vigorous and productive, comes into and sheds its foliage very late; free from disease. It flowers late. It does

not pollinate itself thoroughly, hence sets fruit better when grown among perfect flowered varieties. The vine is very hardy to resist heat and cold, and the roots to resist phylloxera. Clusters large; berry medium to large, black, and rarely touched by rot; skin thin; pulp tender, juicy, pure and good; juice rich in coloring matter and sugar. Very promising as a dark-red wine as well as a good market Grape. Succeeds over a large extent of country. Will surely become a favorite among wine producers and marketmen. A splendid port wine has been made from it.

## JAEGER.

A hybrid produced in 1885 by using pollen of the Herbemont upon one of the best varieties of *Vitis Lincecumii* found wild in this vicinity. Vine exceedingly vigorous, healthy and prolific. It will endure the winters as far north as 40°. Bunch very large, shouldered or double-shouldered, compact; berry medium, of a dark purple, covered with a rich bloom; very persistent to the stem; skin thin, tough; pulp melting, very juicy, sweet and sprightly, of very good quality; seeds small. A very attractive and valuable Grape for market, table or wine. Ripens with or a few days later than Concord.

## LONG JOHN.

A hybrid of "Big Post-Oak" with Triumph. Vine vigorous, hardy; cluster very large, long, cylindrical; berry large, black; skin thin and tough; seeds, two to four, medium; pulp juicy and of good quality. A very attractive Grape in market on account of its large and fine appearing clusters. Ripens just with Concord, and a much better Grape every way, for the southwest.

## CARMAN.

A hybrid produced by using pollen of Triumph upon one of the best of our North Texas Post Oak Grapes (*Vitis Lincecumii*). It leaves out and sheds late, and blooms late, always setting and maturing a very heavy crop, its vigor enduring this heavy crop from year to year with impunity. The vine appears as hardy as the Concord wherever tried, it having passed 27° below zero in Missouri without damage. Its foliage and fruit so far have been almost entirely exempt from disease of every kind. Clusters very large, shouldered, conical, have been grown to two pounds in weight; berry medium to large, black, very persistent; skin thin but tough; pulp meaty and fairly juicy, with little coloring matter; flavor pure; rich, very sweet, of high quality; exceedingly promising.

## DELICIOUS.

A hybrid of "Big Post-Oak" with Herbemont. Vine vigorous and free from disease; cluster large, conical; berry medium, black; seeds small, one to three; skin thin and tough; pulp melting. The name of the Grape describes its flavor. Productive; a fine table and wine Grape. Suitable for the South.



## GRAPES, continued.

**BIG EXTRA.**

A hybrid of Post-Oak and Triumph. Vine vigorous and healthy, productive; clusters large, cylindrical; berry large, black; seeds medium, two to four; skin thin, tough; pulp tender and of very good quality. Valuable for the South.

**GOLD COIN.**

Produced by pollinating Norton with Martha in 1883. Vine vigorous, late in leafing, shedding leaves and in flowering; flowers perfect; very hardy and productive; clusters medium, oval, or shouldered; berry medium to large; persistent, rich golden yellow when fully ripe; rarely touched by rot; skin thin, but very tough; pulp somewhat tough, very juicy, pleasant, agreeable flavor, becoming very sweet when fully ripe. Ripens about with Catawba; shows up and sells well in the market; immensely superior to the Pocklington. Will undoubtedly make an excellent white wine of good keeping quality. This Grape, wherever tested, has received very high praise. A successful Grape over a large extent of country. Endures the winters of the North and the summers of the South readily. Is a splendid long-shipment market variety.

**ELVICAND.**

The Black-land Grape.

A hybrid of Elvira with the Texas Mustang Grape, *Vitis candicans*, which grows and thrives so wonderfully everywhere in the black-lands of the state. Vine exceedingly vigorous; medium to late in leafing out and flowering; flowers perfect. Exceedingly productive of small to medium, compact clusters of medium to large, beautiful, translucent, dark-red berries, which are exceedingly persistent to the stems, and ripen a little later than Concord, and hold on until late in September in Texas, becoming better and better all the time—a most valuable point. Skin thin, tough; pulp tender, juicy, melting when fully ripe, and of a very refreshing honeyed sweetness. Wine made of it is exceptionally fine, sprightly and refreshing. It is an excellent graft stock for Vinifera varieties, being perfectly resistant to phylloxera.

**BIG HOPE.**

A hybrid of Post-Oak and Triumph. Vine vigorous, productive and free from disease; clusters very large, cylindrical and sometimes doubled; berry medium, dark red; seeds small, two to three; skin thin and tough; pulp tender, with a pale red juice; quality very good. A valuable Southern market Grape.

**MUENCH.**

A seedling of Neosho crossed with Herbemont. Vine very vigorous, productive and healthy; clusters large, fairly compact,

conical; berry medium, dark purple; seeds small, one to three; skin thin and tough; pulp melting, and of best quality; white juice. Very valuable Southern Grape.

**MRS. MUNSON.**

Another Neosho cross with Herbemont. Vine thrifty, prolific and healthy; clusters large, conical, shouldered, compact; berry small to medium, purple; seeds one to three, small; skin thin and tough; pulp juicy and melting; quality of the best. A fine eating Grape as well as a valuable Grape for wine. A fine variety for the South. Ripens two weeks later than the Herbemont.

**HOPKINS.**

A hybrid of Post-Oak (*Vitis Linccumii*) with Norton. Vine very vigorous, prolific and an extra strong grower, free from any disease; clusters very large, conical; berry medium, black; skin thin and tough; seeds two to three, small; pulp juicy and tender; of good quality. Makes wine of same character as Norton, and will outyield that variety greatly.

**FERN MUNSON.**

A hybrid of the Texas Post-Oak Grape (*Vitis Linccumii*) and the Catawba. Vine very vigorous, late in leafing out, flowering and ripening of fruit; flowers perfect; cluster and berry large; berry persistent, very dark purple, almost black; skin thin, tough; pulp tender, juicy, rich and sprightly, of very fine quality. Ripe here late in August, long after Concord are gone, and when the market is bare of other Grapes. Continues a long time, and is very valuable. Succeeds throughout the South, endures great drouth, and is little troubled by disease. A splendid shipper.

**LAUSSEL.**

A hybrid of Post-Oak with Gold Coin. Vine very vigorous and productive; ripens after the Fern and before the Marguerite; cluster medium to large, roundish; berry medium, dark purple; seeds small, two to four; skin thin and tough; pulp juicy and tender, of fine quality; pale red juice. A fine table, market and wine Grape.

**MARGUERITE.**

A hybrid of "Post-Oak" with Herbemont. Prolific; the latest of all to ripen, and a fine Grape to succeed Laussel and Fern. Vine very vigorous and free from disease; cluster medium to above, often shouldered, cylindrical; berry medium, dark purple; seeds one to three, small; skin thin and tough; pulp juicy, melting and of best quality. A fine Grape for the South, from Missouri to the Gulf.

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## NEW INTRODUCTIONS.

After fruiting for a number of years, we select from among hundreds of our later hybrids the following, which are worthy of extended trial, and promise to be very valuable. We have only a few vines of each.

## PRICES.

We offer these fine new varieties at \$1 each, or \$10 per 12, prepaid or f. o. b.

**ATOKA.** America pollinated by Delaware. Large cluster; medium berry, beautiful dark translucent red. Very sprightly and good. Persistent to cluster; late; vine very vigorous and healthy.

**JAEGER'S 43.** Although not of our origin we place it here as it is probably the most valuable pure Post-Oak Grape (*V. Linccumii*) ever found. Is the mother of a very promising family of hybrids, and as our customers frequently call for the vines of the pure Post-Oak Grape, we offer a few vines of it. Clusters large, compact; berry medium, very late in ripening, excellent quality; free from disease; flowers imperfect, hence some very late perfect-flowering variety, such as Kiowa, should be planted near it.

**KENENA.** America pollinated by a Post-Oak hybrid. Cluster large; berry medium, dark purple; thin skin, tender pulp, very sprightly and juicy, good; vigorous, prolific, healthy. Very promising as a Southern wine Grape.

**KIOWA.** Jaeger's 43 pollinated by Herbemont. Clusters very large; berry medium; black, red juice; very late, very juicy, of best quality; vine very vigorous, prolific, free from all disease. An exceedingly promising wine, table and market grape for the South. Promises to be more valuable than the Herbemont when at its best, and will succeed much farther North and in moister regions. Ripens after the Herbemont. Recommended with great confidence to wine producers.

**LUKFATA.** *Vitis Champini* pollinated by Moore's Early. Cluster medium, compact; berry large, black; skin tough, thin; pulp tender, very sweet with peculiar agreeable flavor. Vine very vigorous, prolific and free from disease. Ripens early. As its mother is a native of strong lime-stone blackland of Southwest Texas, it promises to be the Concord for the black-waxy lands of Texas. Persistent to cluster, ripens very evenly.

**MANITO.** America pollinated by Brilliant. Cluster large, cylindrical; berry medium, dark purple with white specks; skin thin and tough; pulp very tender, sprightly, juicy, of excellent peculiar flavor;

seeds small; juice red. Vine vigorous, free from disease, very prolific. Very valuable for wine, market and table. This promises to succeed over a wide latitude. Very early.

**OLITA.** Delaware pollinated by Irving. Cluster medium, shouldered similar to Delaware; berry medium to large, clear yellowish white, translucent; skin thin and tough; pulp melting, of the finest quality. This is the variety which at our great "Grape Tasting" of last season was awarded the place of highest quality over all others. It is a superb amateur Grape. Vine a moderate grower and produces about equally with the Delaware. Better North than South.

**OKTAHA.** *Vitis Champini* pollinated by Brilliant. Cluster and berry medium; black; skin thin, tough; pulp melting, sprightly, very good. Ripens early. Possessing Champini blood, like Lukfata, renders it promising for black-lands in the South, while it succeeds in any other soil. We have had the Champini tested in Massachusetts, where it proves hardy and healthy, hence we can expect hybrids of it, such as this and Lukfata, to succeed over a wide range of territory. It is a marriage as it were of New England and Texas.

**RED GIANT** (*Vitis Labrusca*). A variety produced in Pennsylvania, and although not of our own origin we place it here that those who desire to plant a mammoth Grape of this class can procure the best probably that has yet been introduced. We have seen and tested others of this class like the Jumbo, Columbian, Columbian Imperial, etc., and believe this to be the best of the lot. Cluster medium, compact; berry immensely large, one to one and one-quarter inches in diameter; color dark red; skin thick and tough; pulp rather tender, sweet and of agreeable flavor, possessing the characteristic of *Labrusca muskiness*. Vine vigorous, healthy and prolific.

**WAUPANUKA.** Rommel pollinated by Brilliant. Cluster above medium; berry large, yellowish white; skin very thin and tender; pulp melting, very juicy, highly flavored, of peculiarly agreeable character. Medium season; vigorous; prolific. Better North, as in Kansas, Missouri, etc., than far South.

## A NEW DEPARTURE IN GRAPE HYBRIDS.

The most remarkable advance yet made in Grape Hybridization.

The three varieties following are hybrids of the well-known Scuppernong Grape. (See exact life-size engraving of San Jacinto and De Soto on cover of Catalogue.) Originated by T. V. Munson. They are very vigorous, prolific, excellent in quality, and larger in clusters than any of the Muscadine varieties heretofore known. They are absolutely free from rot and mildew, and will succeed anywhere in the Southern states and California. Like the Scuppernong, they require male vine flowering at same time, growing near to render them

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## GRAPES, continued.

fruitful. To purchasers of these vines, we furnish male vines free of charge. These mark a new era among Grape varieties in the South. As we have yet only a few vines of each we can offer only single vines for sale to each purchaser, that is one each of the three varieties.

## PRICE.

Per vine, prepaid, \$2 each.

**LA SALLE.** Very large berry, black; thin skin; tender pulp for this class of Grapes; quality equal to or better than Scuppernong. Ripens the earliest of any of this class. This and the next are hybrids of Scuppernong, with one of T. V. Munson's best Post-Oak hybrid Grapes.

**SAN JACINTO.** Similar in berry and cluster to La Salle, the cluster being from two to three times the size of Scuppernong cluster; the quality is still better than La Salle. Ripens one to two weeks later than Scuppernong. Exceedingly prolific.

**DE SOTO.** A hybrid fo the Scuppernong and *Vitis Munsoniana*, of South Florida, a species nearly allied to the Southern Muscadine (*V. Rotundifolia*). In size of cluster, about equal with San Jacinto; berry not quite so large, shining jet black; skin thin; pulp melting and juicy, very sprightly, vinous; seeds small. Berry persistent to cluster, so that they can be marketed as are other cluster Grapes. Ripens three to four weeks after Scuppernong, and holds on until frost.

## RESISTANT GRAFT STOCKS FOR GRAPES

To meet the demand of some of our customers for good Stocks, resistant to phylloxera, on which to graft more delicate varieties of Grapes, especially the Viniferas, which thereby can be made very successful in many parts of the South, especially in Southwestern Texas, we have grown a small stock of the most approved, well tested species and varieties, which we offer at the following prices:

PRICES.		Each	Per 12	Per 100
Packed f. o. b. cars at Denison . . . . .	\$0 10	\$0 75	\$5 00	
Packed and prepaid to your depot . . . . .	11	1 00	6 00	

**Vitis Champini.** Native of limy soils of southwest Texas.

**Vitis Doaniana.** From the Pan Handle of Texas.

**Vitis Solonis.** From the Pan Handle of Texas.

**Vitis riparia.** Of the Northern states.

" " Of Red River region, North Texas.

**Pukwana.** A select hybrid of *V. monticola* X *V. rupestris*.

**Hutporup.** A hybrid of *Solonis rupestris* and *Lincecumii*.

All excepting *V. riparia* and *Solonis* are especially adapted to the Southern states. The *V. riparia* is best for Northern regions. The **Champini**, **Doaniana** and **Pukwana** are especially recommended for limy and black soils, while they do well in any soil. The *riparia* and *Solonis* are better adapted to sandy soils and more Northern regions. Include Hutporup for sandy soils in the South. Having been engaged for years in supplying vineyardists in France and California with resistant graft stocks for various soils, we understand this matter well, and have spent much time in selecting and producing the above varieties, which we recommend with great confidence. They all grow well from cuttings, and a few vines planted out will soon produce cuttings enough to supply any demand. We produce these only for the purpose of introduction, and don't expect to go largely into the graft stock business again. We consider the Pukwana the best resistant graft stock for grapes in existence.

## JAPANESE PERSIMMON.

This remarkable fruit does well all through the South. These are grown from seeds of several of the finest Japan varieties, that have all proved hardy and prolific here. Many that we have fruited of these seedlings have always been hardy, large, good and prolific, and give better satisfaction than grafted trees. We have never known a seedling Japan Persimmon to fail to bear. 40 cts. each, \$3 per 12, prepaid; 35 cts. each, \$2.50 per \$12, f. o. b. cars at Denison.

## AMERICAN HONEY PERSIMMON.

We have a tree of the native Persimmon found wild, bearing profusely of large, clear, honey-colored fruit of finest quality, preferred by all to even the finest Japanese kinds. The tree was moved into our grounds among the Japan varieties, and continues to fruit abundantly annually. It has few small seeds in comparison with most varieties. All things considered, it is the finest Persimmon known to us. We annually grow some trees from seeds of this. About one-half of the seedling American Persimmons bear fruit, the others are male; hence in filling orders we put in two trees for every one ordered. 10 cts. each, \$1 per 12, \$8 per 100, prepaid; 90 cts. per 12, \$7.50 per 100, f. o. b. cars at Denison.

## POMEGRANATE.

**Spanish Ruby.** This is a fruiting variety, and probably the finest in cultivation. Fruit 2 to 3 inches in diameter, containing within the rind numerous sprightly juicy berries. Succeeds everywhere within 300 miles of the Gulf. 50 cts. each, \$4 per 12, prepaid; 40 cts. each, \$3.50 per 12, f. o. b. at Denison.



## NUT TREES.

## PRICES.

	Each	Per 12	Per 100
Packed f. o. b. cars at Denison . . . . .	\$0 12	\$1 25	\$7 00
Packed and prepaid to your depot . . . . .	15	1 50	8 00

**Select Texas Pecan.** Large, nutmeg-shaped; thinnest shell, best quality. The Pecan is the finest nut known, and is destined soon to be cultivated extensively for commercial purposes. Our trees are grown from the nuts finest in size, in thinness of shell and excellence in quality we have ever tested, and were all gathered from isolated trees, hence will generally produce fine nuts.

**Soft Shelled Almonds.** See page 5 of body of Catalogue.

## "A TREE FULL OF ROSES."

Bechtel's Double Rose-colored Crab Apple.

This is a true American Crab Apple, producing quantities of fine, very fragrant, full double flowers, closely resembling roses. It is one of the rarest, most truly meritorious novelties ever introduced. Its beauty and worth are recognized by the most noted and reliable horticulturists in the country, and those who plant it on our recommendation will be thankful for the hint. 50 cts. each, \$5 per 12, f. o. b. cars at Denison; 60 cts. each, \$5.50 per 12, prepaid.

## SHADE AND ORNAMENTAL TREES.

Your chief happiness lies in the growing ornaments surrounding your home. Such ornaments refine and purify. Neglect them not!

Plant 20 to 25 feet on sidewalks; 25 to 30 feet apart in yards and parks.

## PRICES.

	4 to 5 feet—			6 to 8 feet—			8 to 10 feet—			10 to 14 feet—		
	Each	12	100	Each	12	100	Each	12	100	Each	12	100
Packed f. o. b. cars at Denison.	\$0 12	\$1 25	\$8 00	\$0 18	\$1 75	\$12 00	\$0 25	\$2 50	\$20 00	\$0 35	\$4 00	\$25 00
Packed and prepaid to your depot . . . . .	15	1 75	10 00	25	3 00	16 00	35	4 00	25 00	50	5 50	35 00

**Black Locust** (Sweet Locust). A splendid dry-climate shade, ornamental or grove tree. Every prairie farm should have a grove of this for shade and fence posts. 5 to 8 feet.

**Elæagnus argentea.** Silver berry; very handsome, small, silver-leaved tree. 4 to 5 feet.

**Lombardy Poplar.** Quick, ornamental, easy to transplant. 4 to 8 feet.

**Mulberry.** Excellent, quick-growing, long-lived, easy to handle; non-fruiting. 5 to 8 feet.

**MULBERRY, RUSSIAN WEEPING.** The most beautiful and successful weeping tree for a dry climate ever introduced; difficult to propagate, but easy to transplant. \$1 each f. o. b.; \$1.25 prepaid.

**MAPLE, Soft or Silver.** The best; a favorite; quick, handsome, beautiful scarlet in fall. Have a fine stock. Can make low prices on large orders. All sizes.

**Japan Varnish Tree.** A peculiar and striking tree, with straight, smooth, green body, and large, lobed leaves, in umbrella-like head. 4 to 8 feet.

**SWEET GUM** (or Liquidambar). A most beautiful native shade tree for the south, leaves turning crimson and scarlet in fall. 4 to 5 feet.

**SYCAMORE.** Quick, hardy, long-lived, no disease. Have a fine stock. 4 to 8 feet.

**VITUS AGNUS-CASTUS INCISA** (Mint Tree). A remarkable, perpetual-flowering, small tree, hardy throughout the south, producing innumerable spikes of rich blue, highly scented, mint-like flowers, much liked by bees. The leaves are divided like a hand, into five to seven finger-like leaflets. 50 cts. each, prepaid; 40 cts. f. o. b.

**Weeping Willow.** Succeeds well on deep, rich soil. 25 cts. each, prepaid; 20 cts. f. o. b.

## FLOWERING SHRUBS.

## PRICES—Unless Noted.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison . . . . .	\$0 15	\$1 50	\$10 00
Packed and prepaid . . . . .	18	2 00	12 00

All Tested, and Successful in Texas.

**Almond, Double-flowering.** Pink, white.

**Budleya Lindleyana.** Very graceful, ever-blooming; profusion of purple spikes.

**Bush Honeysuckle.** Bloom in February; very fragrant.

**Deutzia crenata.** Splendid shrub, double pink.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



## FLOWERING SHRUBS, continued.

**GRAPE MYRTLE.** Splendid summer bloomers. Crimson, pink and white. 25 cts. each, prepaid.

**Crape Myrtle, MUNSON.** An improved, rich, imperial pink. 25 cts. prepaid.

**CALIFORNIA PRIVET.** Splendid for specimens, screens or hedging, 2 to 3 feet. 10 cts. each; smaller, for hedging, \$4 per 100 f. o. b., or 12 cts. each, \$1.25 per 12, \$5 per 100 prepaid. Have large stock.

**Cephalanthus occidentalis** (Button Bush). Handsome, sweet; ball-shaped heads of flowers, beautiful foliage.

**Deutzia Watsonii.** Very double; pure white; finest of all.

**Flowering Willow** (*Chilopsis Saligna*). A fine tree-like shrub, blooming profusely from spring on all through the summer; flowers purplish, 1 to 2 inches long, tubular.

**Lilac.** Large Purple, Persian, White, Prince Notger, De Marley and others; well-known favorites.

**Myrica cerifera.** An evergreen near the Gulf. Compact, broad, glossy leaves. For massing it makes a very agreeable effect; perfectly hardy in all weather.

**Pyrus Japonica** (Scarlet Quince). A gorgeous sight in early spring.

**Pomegranate.** Double Scarlet and Salmon; half hardy; fine for tubs.

**Spiraea Prunifolia** and **Reevesii.** Both double white, blooming in succession.

**Spiraea Billardii** and **Thunbergii.** Both pink, perpetual.

**Spiraea argentea** and **Fontaneysii.** Both white, perpetual.

**Tamarix plumosa.** Novel, graceful, flowering in perpetual sweet pink spikes.

## ORNAMENTAL VINES.

	PRICES.	Each	Per 12	Per 100
Packed and f. o. b. Denison . . . . .		\$0 20	\$2 25	\$15 00
Packed and prepaid . . . . .		25	2 50	17 00
<b>Ampelopsis quinquefolia</b> (American Ivy). Fine to cover walls.				
<b>Ampelopsis Veitchii.</b> Still more handsome than the American.				
<b>Cissus incisa.</b> A most lovely, thick, waxy-leaved climber; grows from tubers; hardy anywhere in the South.				
<b>CLIMBING ROSES.</b> <b>Tennessee Belle</b> —blush; <b>Crimson Rambler</b> —deep crimson.				
<b>HONEYSUCKLES.</b> <b>Monthly Sweet</b> —buff; profuse, perpetual bloomer. <b>Scarlet Trumpet</b> —nearly perpetual; handsome.				
<b>Trumpet Creeper.</b> A stout, woody, handsome vine, with compound leaves and				
perpetual, waxy, large, tubular, orange flowers in clusters; fine to ornament out-houses, tree bodies, etc., as it climbs by aerial roots.				
<b>Wistaria.</b> American purple.				
<b>Vitis rubra.</b> Hardy; rare, but equisitely beautiful; dark, glossy leaves; good climbing Grape for trellis or arbor.				
<b>Vitis monticola.</b> Hardy, rare, very handsome; small light green, glossy-leaves; clean grower.				
<b>Vitis Munsoniana.</b> Most graceful, weeping, beautiful; glossy lively green leaves; vigorous grower; for bowers, arbor or trellises; hardy only in Gulf states, but for growing inside North it is superb. Native of southern Florida.				

## ROSES.

PRICES.—Except varieties otherwise Noted.

	Each	Per 12	Per 100
Packed and f. o. b. Denison . . . . .	\$0 22	\$2 25	\$15 00
Packed and prepaid to your depot . . . . .	25	2 50	17 00

## STRONG, OPEN GROUND.

The following list includes the most superb varieties, both old and new. The plants are one year old, thrifty, vigorous, growing in open ground. We have a large stock, and in quantity can make low prices.

All these have been in bloom throughout the season, and we know them to be strictly pure and true to name and description.

## Everblooming.

## WHITE AND BLUSH.

**Bride.** Strong, healthy, large, double, fine bud; delicate carmine-blush.

**Clothilde Soupert.** Vigorous, profuse bloomer, with medium, very full, white flowers.

**Marie Guillot.** Moderate grower; creamy white; large, very full; none finer

**The Queen.** Pure snow-white; sweet and fragrant; petals are thick, and makes fine buds on long stems; good grower.

**Kaiserin Augusta Victoria.** Pure white, fragrant; fine buds and flowers on long stems; profuse; strong grower.

**Viscountess Folkestone.** Strong, healthy; flower large, resembling the Pæony; delicately tinted flesh, almost pure white.

**Souv. Madame Eugene Verdier.** Profuse, large globular flowers; white, with delicate tints.

**Augustine Guinoiseau** (White La France). Habit of La France; strong; flower white, with delicate shades; large petals.

## BUFF AND YELLOW.

**Marie van Houtte.** Free; flowers large and full; white, slightly tinged with yellow, edge of petals lined with rose.

**Mad. Welche.** A fine, rich, fragrant cream, salmon center; medium grower.

## ROSES, continued.

**Golden Gate.** Vigorous, profuse; large, full flowers of excellent fragrance; buds long, and admirably formed; color creamy white, tinged with flesh.

**Perle des Jardins.** A fine rich yellow. Flower very double and fragrant. Pretty bud.

**Etoile de Lyon.** Rich yellow, fragrant, pretty; profuse all summer, during hottest weather; good grower.

**Climbing Perle.** Flowers and buds similar to the Perle; as a climber, is much stronger, although similar to Marechal Niel in habit.

## PINK.

**Catherine Mermet.** Vigorous, large, full; bright flesh color; very sweet.

**La France.** Strong, upright, very large, full; delicate pink, sweet, profuse.

**Pink Soupert.** Resembles the Clothilde Soupert in habit and style, only the flower is pink.

**Bridesmaid.** Sport of and similar to Catherine Mermet, except the color is of a clearer and deeper pink.

**Duchess of Albany.** Habit of plant, shape and size of flower similar to that of La France, but more profuse and of deeper pink.

**Francis Kruger.** Fine rich pink, creamy towards center; slightly penciled with deeper pink on outer petals. Healthy plant.

**Champion of the World.** Color and shape of flower similar to that of Hermosa. Bush not so upright.

**Mad. Lambard.** Bronzy, profuse; strong grower.

**Hermosa.** Clear, handsome pink; profuse.

**Maman Cochet.** Rose or pink, shaded with salmon; profuse, fine bud and flower; strong grower; a very superior Rose.

## SCARLET AND CRIMSON.

**American Beauty.** Crimson, fine. 40 cts. each.

**Wootton.** Fine, rich crimson; good plant and flower.

**Meteor.** Large; clear rich, dark crimson; profuse; strong grower.

**Papa Gontier.** Very handsome in bud; dark crimson.

**Beauty of Stapleford.** Full, fine, light crimson; fine in bud and flower; profuse, strong grower.

**Princess Sagan.** Profuse; medium, dark crimson; fine for bedding; makes a fine show.

**Crimson Bedder.** Very similar to Princess Sagan, only the flower is slightly smaller; very profuse, strong grower; an old standard bedder.

**Madame Masson.** Strong and hardy; flowers large and profuse, open and very double; flowers dark crimson.

**Madame Chas. Wood.** Similar to Mad. Masson, only plant is more stocky and color a little deeper crimson.

## HARDY CLIMBERS.

**Tennessee Belle.** Good climber; medium, full; bluish; in clusters; profuse in spring.

**Crimson Rambler.** One of the finest climbers; magnificent trusses of deep crimson flowers; makes a fine show as a climber and profuse bloomer.

**Ophelia** (White Rambler). A pure white climbing Rose; everblooming.

**Yellow Rambler.** Habit and character of Crimson Rambler, only flowers are yellow.

**Mad. Alfred Carrier.** Plant of few thorns. Flower partially double, of a bluish white.

**Climbing Meteor.** A deep double crimson climber.

**Reine Marie Henriette.** Plant of a climbing habit; buds on long stems; flowers large and full; color a pure shade of cherry-red.

## MOSS ROSES.

**Luxemburg.** Crimson, annual bloomer.

## PERENNIALS. For Bedding.

## PRICES.

	Each	Doz.	100
Packed f. o. b. . . . .	\$0 15	\$1 40	\$9 50
Packed and prepaid . . . . .	16	1 50	10 00

**Arundo Donax versicolor.** A large-growing perennial grass, with broad leaves beautifully ribboned with two shades of green and white. Also bears a plume late in fall, when in good growth. In clumps it makes a striking and pleasing effect.

**Canna, Mad. Crozy.** Large, scarlet-yellow border.

**Canna, Chas. Henderson.** Crimson.

**Canna, Queen Charlotte.** Yellow, with crimson-spotted throat. All very large and fine.

**Eulalia Japonica zebrina.** Zebra Grass. The prettiest and most enduring of all grasses, producing plumes almost equal to Pampas Grass.

**Hibiscus incanus.** A purple-stemmed, purple-leaved species, blooming profusely

for two or three months in the heat of summer; flower large, 4 to 6 inches broad, funnel-shaped, white, with rich, crimson eye; a very desirable new bedding plant.

**Hibiscus Moscheutos.** Another southern species, with large, heart-shaped, light green, downy leaves; grows 3 to 4 feet high, with similar but larger and more profuse flowers than the above,

**Lilium aurantiacum.** Double.

**Japan Iris.** A splendid, attractive border plant; large, showy flowers.

**Paeonias.** Fine, assorted.

**Yucca Baccata** (Banana Yucca). A beautiful, rapid grower, with mass of evergreen leaves; flowers abundantly; fruit pods meaty, edible.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the states named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



## CONE-BEARING EVERGREENS.

## PRICE.

—6 in. to 1 ft.—				—1 to 2 ft.—				—2 to 3 ft.—				—3 to 4 ft.—			
Each	12	100		Each	12	100		Each	12	100		Each	12	100	
Packed f. o. b. cars at Denison.	\$0 15	\$1 25	\$10 00	\$0 20	\$2 00	\$15 00	\$0 30	\$3 00	\$25 00	\$0 50	\$5 00	\$30 00			
Packed and prepaid . . . . .	16	1 50	12 00	25	2 50	17 00	40	4 00	28 00	65	6 00	40 00			

**Arborvitæ, Chinese.** Dark green; vigorous, hardy, desirable.

**Arborvitæ, Golden.** Roundish, or conical, compact; beautiful.

**Juniper, Trailing Tamarix-leaved.** Very hardy; fine.

**Juniper, Red Cedar.** One of our best evergreens 1 to 2 feet.

**Pinus Ponderosa.** Rocky Mountain Yellow Pine. Very beautiful and successful; easy to transplant. 2 to 4 feet.

## BROAD-LEAVED EVERGREENS.

**Cape Jessamine** (*Gardenia florida*). What the Magnolia is as a flowering evergreen tree, the Jessamine is as an evergreen flowering shrub. Flowers double, pearly white, wax-like petals, very sweetly scented. In regions north of the latitude of Waco, Texas, it needs winter protection; if put in tub in fall and kept as a stove plant, with good heat and light in house, will flower throughout the winter. 30 cts. each, prepaid; 25 cts. each f. o. b.

**Evergreen Tree Box** (*Buxus sempervirens*). A splendid, perfectly hardy, evergreen shrub; excellent for cemetery plant-

ing and for ornamental screens and hedging. 6 in., 10 cts. each; 1 ft., 15 cts. each, f. o. b.; 6 in., 12 cts. each; 1 ft., 18 cts. each, prepaid.

**Magnolia grandiflora.** The grandest of all evergreens and flowering trees succeeds throughout Texas and the Indian Territory, as well as in other southern states. By clipping off all but a few of the tip leaves when taken up, and as treated in our handling, they are readily transplanted. 1 ft., 25 cts. each; 2 ft., 50 cts. each; 3 to 4 ft., 75 cts. each, f. o. b.; 1 ft., 30 cts. each; 2 ft., 60 cts. each; 3 to 4 ft., \$1 each, prepaid.

## JUICE OF THE VINE.

For Table, Sacramental and Medicinal Use. Made from Ripest Choice Grapes.

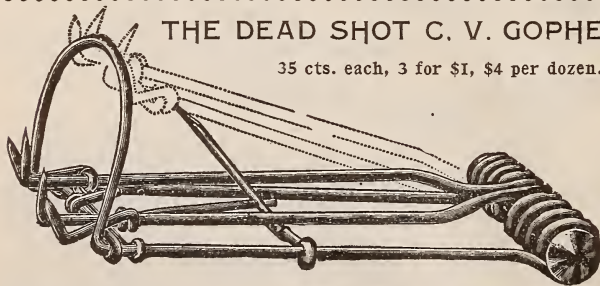
**Fresh Grape Juice** ("Unfermented Wine"). This delicious beverage is one of the most appetizing, wholesome foods and remedial preparations known. It is equally efficient as fresh Grapes where the "Grape Cure" remedy may be recommended. All relish it; children cry for it. Most carefully prepared by a special process. In pint bottles, hermetically sealed, 30 cts. each, \$3 per dozen, f. o. b. cars at Denison. Many churches use "Unfermented Wine" prepared by us.

## ADDRESSES OF HOME IMPROVERS PAID FOR.

If you will send us, with your order, the names and post office addresses of six of your neighbors who own and are improving their homes, we will put in with your order, if as much as \$2 or over, articles from our list, of your own selection, to amount of 25 cents. For twelve such addresses, when order is \$3 or more, articles to amount of 50 cents. This offer does not extend to more than twelve addresses from one customer.

## THE DEAD SHOT C. V. GOPHER TRAP.

35 cts. each, 3 for \$1, \$4 per dozen.



Just the thing you are looking for to destroy those destructive Pocket Gophers. Full directions for setting with each trap.

We have used these traps for over ten years, and they have given entire satisfaction.

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		Order Sheet . . . . .



Read carefully every paragraph on page 2 of body of Catalogue.

Remember that the prepaid rates on single and dozen items are for orders of \$5 or more, and within the states named on page 2 of body of Catalogue, under "We Prepay Freight," which be sure to read.

It is a distinct agreement between us and our customers that in any case where stock fails to come up to specifications, we are liable only to replace stock or refund money received for goods in question. But no pains are spared to do a reliable business.

to specifications, we are liable only to replace stock or refund money received for goods in question. But no pains are spared to do a reliable business.

# T. V. Munson & Son's Order Sheet.

No. of Order ..... Date .....

Filled by ..... Packed by .....

(Please fill out blank below with your order, and mail with remittance per postal or express order, or draft.)

....., 189 .....

T. V. MUNSON & SON, DENISON, TEXAS:

T. V. MUNSON & SON, DENISON, TEXAS:  
For the amount remitted herewith, \$....., please fill the following list as nearly as your stock will permit. You may use your judgment, in case you cannot fill exactly, by putting in what most nearly and satisfactorily will fill the place for the same money.

Ship by.....to Station.....

Care of .....

P. O. \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

My residence is.....miles from the station. [If no substitution will do, so direct.]

Name .....

No. \_\_\_\_\_ Street or Avenue.

(State which scale of prices you have selected, f. o. b., or prepaid.)

## LIST OF ARTICLES.

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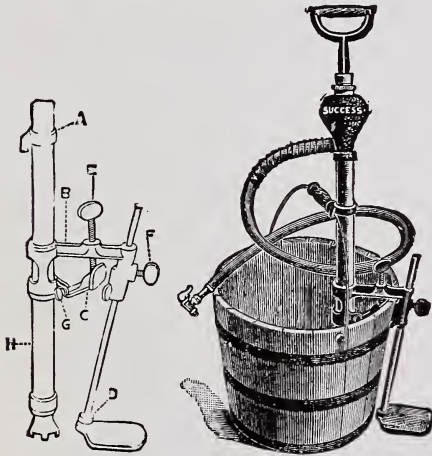


## THE VALUE OF SPRAYING.

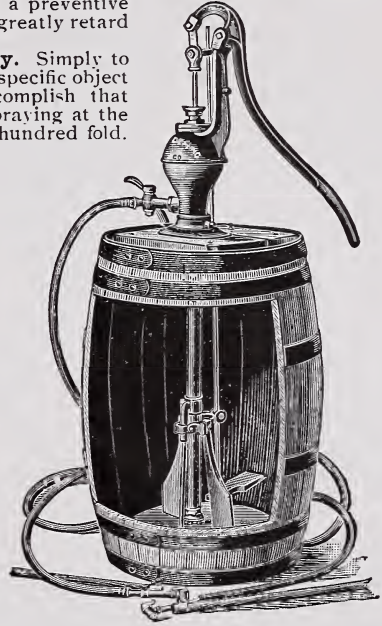
It would seem unnecessary at this time to say anything as to the value of spraying. There are many farmers, however, who have not investigated the subject, and the value of spraying can only be appreciated by those who have tried it.

**The secret of having good crops** consists in spraying at the right time and with the proper materials. Fungicides are preventives and should thus be applied before the work of the injurious fungi is noticed. Spraying should be an integral part of all farm operations. Our best horticulturists now recommend the application of the Bordeaux mixture to growing plants to promote healthy growth. It acts as a preventive to the growth of the fungi which would otherwise greatly retard the growth of plants.

**The Spraying must be done intelligently.** Simply to make an application here and there without some specific object in view, and without the right solution to accomplish that object, is time and money thrown away. But spraying at the right time and using the right solution will pay an hundred fold. Success cannot be attained without it.



THE SUCCESS BUCKET SPRAY PUMP.



THE DEMING BARREL SPRAY PUMP.

## SPRAYING OUTFITS.

The following outfits, after a thorough test and selection, are the best for orchard, vineyard and garden work. We name the best for either bucket, knapsack, or barrel outfit. selection of either one of these depending upon the amount of spraying to be done, and advantage to get at the plants. Prices are net, purchaser paying transportation charges.

### THE SUCCESS SPRAY PUMP.

Brass Working Parts and Air Chamber, with Indestructible Bronze Valves. Malleable Iron Foot rest. Price, complete, as described and shown in the cut, \$7. Seven-foot section of hose and couplings, with pole connection for spraying tall trees, \$2.

### KNAPSACK SPRAYER.

A Knapsack and Bucket Sprayer combined. Five-gallon Copper Tank. Brass Pump, with Bronze Ball Valves. Price, complete, \$12.

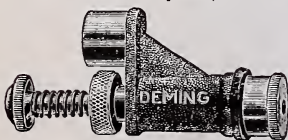
### THE DEMING BARREL SPRAY PUMP.

Our Popular Orchard Sprayer, with Mechanical Agitator and Brass Working Parts. Price. Pump only, \$9. Outfit A: Pump as above, with 12½ feet of ½-inch hose, Bordeaux nozzle and pole connection, \$13.50. Outfit B: Pump as above, with two 12½-foot sections of ½-inch hose, Bordeaux nozzles and pole connection, \$18.

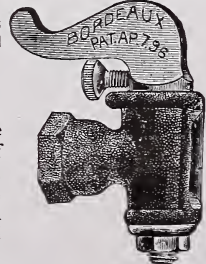
*Note* We do not furnish the barrel. A whisky or syrup barrel can be bought in almost any town for \$1—less than the freight would cost.

### BORDEAUX NOZZLE,

The best, simplest, and most effective Nozzle. Each, 80 cts.

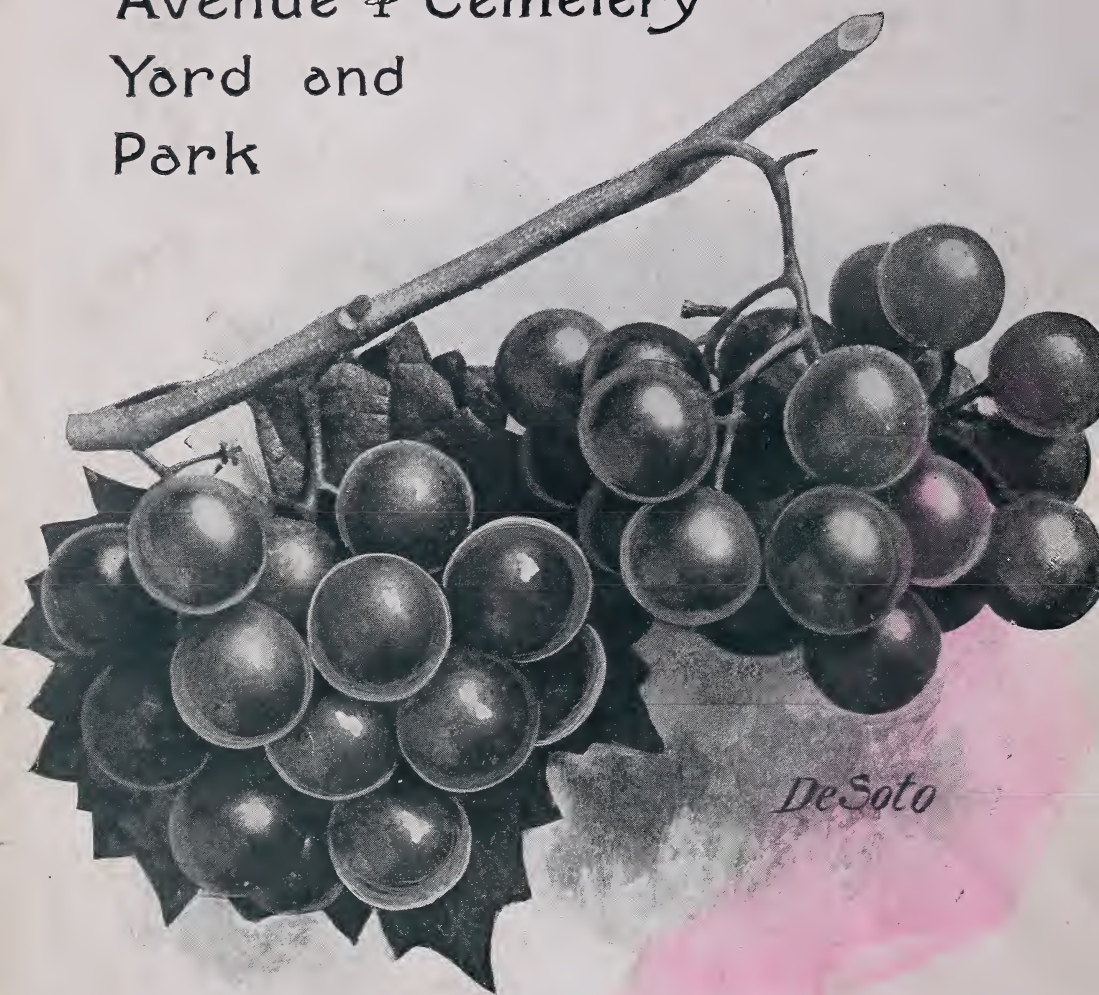


Purchasers of any of these outfits will be furnished, free of charge, a Spraying Calendar, which gives much information on this subject, telling when and how to spray, and formulas for all fungicides and insecticides.





Everything for the  
Orchard & Vineyard  
Avenue & Cemetery  
Yard and  
Park



*DeSoto*

The Munson Nurseries  
Denison • Texas